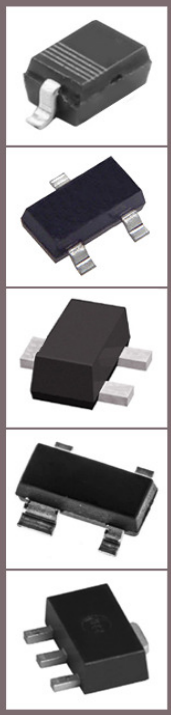
SMD-codes

DATABOOK

SMD semiconductor components marking codes.
2-pin case
3-pin case
4-pin case
SOT-89 case



- 530.000 SMD-codes:
- Diodes, Thyristors, Protection elements, Transistors, Integrated circuits
- Case pin assignment
- Pinout
- Marking style
- Additional production data info
- Case drawings
- Manufacturers
- Schematics

VOLUME I, 2026 EDITION

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ELECTRONICS COMPONENTS

Eugeniu Turuta Martin Christian Turuta

SMD semiconductor components marking codes.

VOLUME I

2-pin case

3-pin case

4-pin case

SOT-89 case

Chisinau 2026
Toronto 2026

CONTENT

Introduction

At earlier eighties began a trend to replace a traditional through-hole technique with the surface mounted technology (SMT) using surface mounted devices (SMD). The SMT, although intended in principle for automatic manufacturing only expand more and more, even into a hobby world. This trend will continue, because many new components are available in SMD versions only. The SMT technique opens advantages and new applications through miniaturising of the components and increasing of reliability. The industry standard unfortunately allows that most of the SMD components does not have a clear description. Since a tiny size of the components, they are labelled with one, two or more character or graphic SMD code. Thus it is necessary to take into account that the colour and (or) placing of alphanumeric or graphic symbols are also important. Therefore a sure identification of the components is impossible without appropriate technical documentation. Moreover the polarity and pin - outs of different components could be not identified without data sheets.

Identifying the manufacturers type number of an SMD device from the package code can be a difficult task. Unfortunately, each device code is not necessarily unique.

For various manufacturers it is possible to place different devices in the same case with the same SMD-code. For example, with a **6H** SMD-code in a SOT-23 case might be either a npn-transistor **BC818** (CDIL) or a capacitance-diode **FMMV2104** (Zetex) or a n-channel jFET transistor **MMBF5486** (Motorola) or a pnp-digital transistor **MUN2131** (Motorola) or a pnp-digital transistor **UN2117** (Panasonic) or a CMOS-integrated circuit- voltage detector with reset output **R3131N36EA** (Ricoh). Even the same manufacturer may use the same code for different devices.

To identify a particular SMD device, is necessary to identify the manufacturer, package type and note the SMD code printed on the device.

The identification of the manufacturer is possible only if on the case are printed the manufacturer's logos, but it not always happens. Besides, sometimes, it is possible to determine the manufacturer with indirect tags. Many recent ON Semiconductor devices have a small superscript letter after the device code, such as **SA^{C}** (this smaller letter is merely a month of manufacture code). Infineon devices usually have a lower case **'s'** (ATs, LOs). NXP (Philips) devices usually have a lower case **'p'** (AHp, Z1p, pB0) or **'-'** (DQ-, -ZS) for the devices made in Hong Kong, **'t'** (tT9, Y7t) for the devices made in Malaysia, "W" (WT9, Y7W) for the devices made in China. In the last section are submitted the logos and web site URL of the SMD devices manufacturers.

The package type is another problem for the identification of SMD devices. The different manufacturers can designate identical cases concerning by the various standards (or concerning by the internal system). Besides, the various cases can have an identical kind (form) and differ only by sizes. This distinction of sizes so it is not enough, that can be is measured only by special measuring devices.

Compliance with the name and type of cases from different manufacturers is solved by applying in the column "Case" an equivalent type name for equivalent cases.

In addition to SMD-code, uper case may be put padding alpha-numeric information (usually by another font or size of characters, also may be by other arrangement). Relationship position of the SMD-code and padding information have defined as style and show in the column "Style"

In the following tables sections the SMD semiconductor components - irrelevant as to whether it is dealing with transistors, diodes, integrated circuits etc. are placed in separate tables according to numbers of terminals and (or) type of cases and are listed in alpha-numeric order by SMD-codes.

Column 1 ("SMD-Code")

(BSC) Backside coating

Column 2 ("Type")

The type designations correspond to those of the respective manufacturer documentations.

Column 3 ("Function")

Short definition of the semiconductor component.
Used abbreviations:

BM-IC	Battery Management integrated circuit
BR	Bridge Rectifier
C-diode	Capacitance diode (varactor, varicap)
CMOS-Log	CMOS logic integrated circuit
Comp-IC	Voltage comparator integrated circuit
CPE	Circuit Protector Element
CP-IC	Charge pump integrated circuit
DC/DC-IC	DC/DC voltage converter integrated circuit
ESDP-diode	ElectroStatic Discharge Protection diode
ESD-Prot	ElectroStatic Discharge Protection thyristor
-FET	Field Effect Transistor
HEMT	High electron mobility transistors
H-IC	Hall-effect sensor integrated circuit
HSPS-IC	High-side power switch integrated circuit
Id-IC	Ideal diode integrated circuit
IGBT	Insulated Gate Bipolar Transistor
IGBT+Di	Insulated Gate Bipolar Transistor with antiparallel diode
LDR-IC	LED driver integrated circuit
Lin-IC	Linear integrated circuit
LSW-IC	Load switch Integrated Circuit
LVR-IC	Linear voltage regulator integrated circuit
LVR/Vdet-IC	Linear voltage regulator/Voltage detector combined integrated circuit
Match resnet	Matched resistor network
MMIC	Monolithic Microwave Integrated Circuit
-MOSFET	Metal-Oxide-Semiconductor FET
-MESFET	MEtal-Semiconductor FET
n-	n-channel junction transistor
n/p-	n-channel and p-channel transistors area
Op-IC	Operational amplifier integrated circuit
OVP IC	Overvoltage Protection integrated circuit
p-	p-channel junction transistor
PB-IC	Push button integrated circuit
PDS-IC	Power distrubution switch integrated circuit
PHEMT	Pseudomorphic high electron mobility transistors
PIN-diode	Diode with a wide, undoped intrinsic

	semiconductor region
PM-IC	Power management integratd circuit
PSW-IC	Power switch integrated circuit
Res. div.	Resistor divider
SGP	Spark Gap Protector
Si-diode	Silicon diode
SiC-diode	Silicon-carbide diode
SiGe-diode	Silicon/Germanium diode
SiGe-npn	Silicon/Germanium npn transistor
Si-npn	Silicon npn transistor
Si-n/p	Silicon npn and pnp transistors area
Si-npn-Darl	Silicon npn Darlington transistor
Si-npn-Digi	Silicon npn “digital” transistor
Si-npn-Digi+Di	Silicon npn “digital” transistor with internal diode
Si-pnp	Silicon pnp transistor
Si-pnp-Darl	Silicon pnp Darlington transistor
Si-pnp-Digi	Silicon pnp “digital” transistor
Si-npn-Digi+Di	Silicon pnp “digital” transistor with internal diode
Si-pnpn-UJT	Si-pnpn unijunction transistor
SiC-diode	Silicon-Carbide diode
SIDAC	Silicon unilateral voltage triggered switch
SiGeC-npn	Silicon-Germanium-Carbon npn transistor
Si-Stab	Silicon stabistor
Si-Var	Silicon varistor
SGP	Spark Gap Protector
SSD	Surge supressor diode
SVR-IC	Switching Voltage Regulator integrated circuit
T-sensor	Temperature sensor
Tdet-IC	Thermal detector integrated circuit
Thy-SCR	Thyristor-controlled rectifier
Thy-SPD	Thyristor-surge protector device
Triac	Triode for alternating current
TVS	Transient voltage suppressor
Vdet-IC	Voltage Detector integrated circuit
Vmon-IC	Voltage monitor integrated circuit
Vref-IC	Voltage Reference integrated circuit
Vreg/OVP IC	Voltage regualtor/Overvoltage Protector IC
WDT-IC	Watchdog timer integrated circuit
Z-diode	Zener diode
Z-diode/SPD	Zener diode-surge protector device

Column 4 (“Case”) Manufacturer case designation (section 10).

Column 5 (“Style”) “Style” (upercase placement of the SMD-code and additional infomation drawing). All styles drawings are placed in the section 7.

Column 6 (“Short description”)
Short data or description of function of each type.
Used abbreviations:

Adj.	Adjust, adjustable
AF	Audio Frequency
AGC	Automatic Gain Control
ALC	Automatic Level Control
AM	Amplitude Modulation (AM range)
Amp	Amplifier
Ant	Antenna
APA	Audio Power Amplifier
Att	Attenuator
Avl	Avalanshe
Disc.	Internal CL discharge
BISS	Breakthrough In Small Signal
BTL	Bridge Tied Loads
Bat	Battery
Buck-Boost	B-boost
Buff	Buffer
CATV	Broad band cable amplifier
+CE	Active HIGH Chip Enable
-CE	Active LOW Chip Enable
Cap	Capacitance
Cell	Cellular
CL	Internal CL discharge resistor
Conv	Converter
Cordl	Cordless
Ctrl	Controlled, Controller
CRD	Current Regulator Diode
CrL	Current Limiter
CrLL	Current Limiter with integral Latch
CV	Constant Voltage
ChV	Charge voltage
-d, D-MOS	Depletion mode MOSFET
DBS	Direct Broadcast Satellite
DECT	Digital Enhanced Cordless Telecommunications
Det	Detector
DG	Dual Gate
Diff	Differential
Dr, Drv	Driver
-e	Enhancemet mode MOSFET
EN	Enable
Ext.	External
FD	Fast Discharge
Fdb-Pr.	Foldback protection
FM	Frequency Modulation (FM range)
FPWM	Forced Pulse-width modulation
Fst	Fast
GaAs	Gallium Arsenide
GBP	Gain-Bandwidth Product
GNSS	Global Navigation Satellite System (GLONASS)
GP	General Purpose Applications
Green pack.	Green package
Green proc.	Green process
HF	High Frequency
H-fast	Hyperfast
H-Free	Halogen-free
HiSAT-COT	High Speed Transient Response Control
Hi-sp	High-speed
HSST	High-Speed Soft-Start
Hst.	Hysteresis
HV	High Voltage
I2C	I2C (Inter-Integrated Circuit) interface
I2S	I2S interface
ICL	Internal Current Limiter
ICP	Inrush Current Protection (Prevention)
IF	Intermediate frequency
Instrum.	Instrumental
InGaAs	Indium Gallium Arsenide
Int.	Internal
I-O-Bps	Input-to-Output Bypass
Ipp	Maximal Peak Pulse Current
ISM band	Industrial, scientific, and medical rado band
Latch-Pr.	Latch protection
LCON	Output Current Limit Setting
LDO	Low drop voltage
LED	Light-emitting diode
L-Free	Lead-free
LLD	Lov-leakage diode
LLS	Logic Level Shifter
LN	Low Noise
LNA	Low Noise Amplifier
LNB	Low Noise Block
LogL	Logic Level (Uth >0,8...2V)
Lo-sat	Low collector-emitter saturation voltage

LRip	Low Ripple voltage
LSST	Low-Speed Soft-Start
LTE	Long Term Evolution
Mix	Mixer
Mon.	Monitoring
MR	Manual Reset
Nix	Nixie tube driver
OCB	Fault indication output
OCL	Output Current Limiter
ODO	Open Drain Output
OCO	Open Collector Output
Ovd	Over volatage detection
OVIn	Over Voltage Reset Input (negative)
OVP	Over Voltage Protection
Osc	Oscillator
OTP	Over Temperature Protection
Out	Output
OV	OverVoltage function
PA	Power Amplifier
PAD	Pico-Amper Diode
Pb-free	Plumb-free
PCA	Pulse Current Amplitude modulation
PDR	Internal pull-down resistor
PECL	Positive Emitter-Coupled Logic
Prot	Protect, protection
PFM	Pulse-frequency modulation
PG	Power Good
PGain	Power Gain
PM	Power management
POR	Power-on-reset
Pow	Power
PPO	Push-Pull Output
Prog	Programmable
PSM	Pulse-skip modulation
PUR	Internal pull-up resistor
PWM	Pulse-width modulation
Rdt	Reset delay time
Rectif.	Rectifier
Reg.	Regulated
Res.	Resistor
Rst	Reset
Reset-Pr.	Reset protection
RF	Radio Frequency applications
Rin	Input resistance
RUN	Enable of DC/DC converter
SATV	Satellite television
S-band	RF band switching
SB	Schottky Barrier
SBD	Schottky Barrier Diode
SBR	Schottky Barrier Rectifier
SCK	Clock Input Pin
SDQ	Serial Data and Quality interface
S-dwn	Shutdown
S-fast	Super-Fast
SHF	Super High Frequency
ShPr	Short Circuit Protection
SiGe	Silicon/Germanium structure
SMPS	Switch Mode Power Supply
SPDT	Single-pole double-throw
SPI	Serial Peripheral Interface
SPST	Single-pole single-throw
SS	Soft start
STB	Set-Top Boxes
St-dwn	Step-down
St-up	Step-up
Supress.	Suppressor
Sw.	Switching
Sync.	Synchronous
Td	Delay time
Tcy	Overcharge Detection Delay Time
TMBSR	Trench MOS Barrier Schottky Rectifier
T-MOS	Trench-FET MOSFET
Tmr	Manual Reset Setup Period
Tun	Tuner
Ucu	Overcharge Detection Voltage
U-Sp.	Ultra-speed
UHF	RF applications (>250 MHz)
UV	UnderVoltage function
ULN	Ultra Low-Noise
USB	Universal Serial Bus
UV	Latched UperVoltage function
Uvd	Under voltage detection
UVLO	Under voltage lock output
Var	Variable
Vbr	Breakdown Voltage
VCO	Voltage controlled oscillator
Vdet	Dectection volatge
Vdi	Input volatge detection
Vdo	Output volatge detection
Vfb	Feedback voltage
VHF	RF applications (100...250MHz)
VFM	Voltage-Frequency Modulation
Vid	Video output stages
V-MOS	Vertical Metal Oxide Semiconductor
Vrls	Release voltage
Vrwm	Reverse Standoff Voltage
VR	Voltage Regulator
Vth+	Power-on lockout voltage
Vth-	Forced power-off voltage
Vthr	Vthresold
Vuot	Undervoltage/Overvoltage threshold
WB	Wide Band
WD	Watchdog
WDEN	Watchdog Enable
WDI	Watchdog Input
Wdt	Watchdog timeout
Wta	Watchdog active time
WLAN	Wireless Local Area Network
WiMAX	Worldwide Interoperability for Microwave Access
Wdt	Watchdog timeout
uPower	Micro Power
uWave	Microwave
ZBD	Zero bias detector

Column 7 (“Atr”)
Additional SMD-codes attribute such as subscipt bar, uperscipt bar, reverse symbol and other (section 8).

Column 8 (“A.d.”)
Additional information such as year, month, week or lot number designation (section 9).

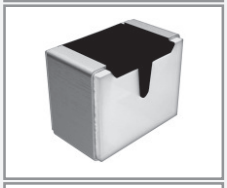
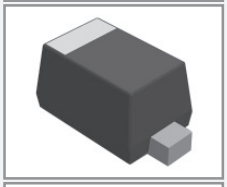
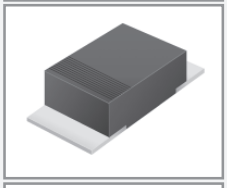
Column 9 (“Pin”) Related conventional case drawing (section 5) and pinout assignement (from table, section 6). Example: 16vdb- conventional case drawing 16 (section 5) and pinout assignement vdb (section 6).

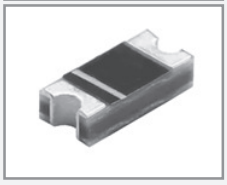
Column 10 (“Sch”) Sample schematic connection for some elements (ICs). All sample schematic connection drawings are placed in the section 11.

Column 11 (“Mnf”)
The name of the manufacturer are abbreviated (to save space). The complete name, logos, and URL of each manufacurer is listed alphabetically on section 12.

SECTION 1
2-pin case SMD semiconductor components



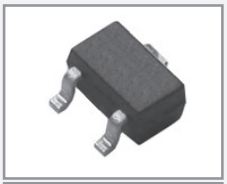


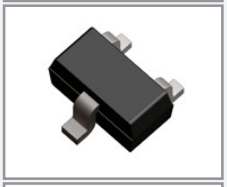
SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Mnf
*	1SS400G	Si-diode	SOD-723	1a	Sw, 80V, 100mA, Vf<1.2V(100mA), <4ns	-	-	7d	Zbs
.0	BZX584C5V6-V-G	Z-diode	SOD-523	1a	5.2..6.0V, Izt=5mA, Zzt=40Ω, 200mW	A17	-	6d	Vs
.1	BZX584C16-V-G	Z-diode	SOD-523	1a	15.3..17.1V, Izt=5mA, Zzt=40Ω, 200mW	A56	-	6d	Vs
.1	BZX584C22-V-G	Z-diode	SOD-523	1a	20.8..23.3V, Izt=5mA, Zzt=55Ω, 200mW	A58	-	6d	Vs
.1	BZX584C5V1-V-G	Z-diode	SOD-523	1a	4.8..5.4V, Izt=5mA, Zzt=60Ω, 200mW	A17	-	6d	Vs
.1	BZX584C6V2-V-G	Z-diode	SOD-523	1a	5.8..6.6V, Izt=5mA, Zzt=10Ω, 200mW	A57	-	6d	Vs
.2	BZX584C18-V-G	Z-diode	SOD-523	1a	16.8..19.1V, Izt=5mA, Zzt=45Ω, 200mW	A56	-	6d	Vs
.2	BZX584C2V4-V-G	Z-diode	SOD-523	1a	2.2..2.6V, Izt=5mA, Zzt=100Ω, 200mW	A17	-	6d	Vs
.2	BZX584C6V8-V-G	Z-diode	SOD-523	1a	6.4..7.2V, Izt=5mA, Zzt=15Ω, 200mW	A57	-	6d	Vs
.3	BZX584C2V7-V-G	Z-diode	SOD-523	1a	2.5..2.9V, Izt=5mA, Zzt=100Ω, 200mW	A17	-	6d	Vs
.3	BZX584C7V5-V-G	Z-diode	SOD-523	1a	7.0..7.9V, Izt=5mA, Zzt=15Ω, 200mW	A57	-	6d	Vs
.4	BZX584C15-V-G	Z-diode	SOD-523	1a	14.3..15.8V, Izt=5mA, Zzt=30Ω, 200mW	A57	-	6d	Vs
.4	BZX584C20-V-G	Z-diode	SOD-523	1a	18.8..21.2V, Izt=5mA, Zzt=55Ω, 200mW	A56	-	6d	Vs
.4	BZX584C3V0-V-G	Z-diode	SOD-523	1a	2.8..3.2V, Izt=5mA, Zzt=100Ω, 200mW	A17	-	6d	Vs
.5	BZX584C13-V-G	Z-diode	SOD-523	1a	12.4..14.1V, Izt=5mA, Zzt=30Ω, 200mW	A57	-	6d	Vs
.5	BZX584C24-V-G	Z-diode	SOD-523	1a	22.8..25.6V, Izt=5mA, Zzt=70Ω, 200mW	A56	-	6d	Vs
.5	BZX584C3V3-V-G	Z-diode	SOD-523	1a	3.1..3.5V, Izt=5mA, Zzt=95Ω, 200mW	A17	-	6d	Vs
.6	BZX584C3V6-V-G	Z-diode	SOD-523	1a	3.4..3.8V, Izt=5mA, Zzt=90Ω, 200mW	A17	-	6d	Vs
.7	BZX584C12-V-G	Z-diode	SOD-523	1a	11.4..12.7V, Izt=5mA, Zzt=25Ω, 200mW	A57	-	6d	Vs
.7	BZX584C27-V-G	Z-diode	SOD-523	1a	25.1..28.9V, Izt=2mA, Zzt=80Ω, 200mW	A56	-	6d	Vs
.7	BZX584C3V9-V-G	Z-diode	SOD-523	1a	3.7..4.1V, Izt=5mA, Zzt=90Ω, 200mW	A17	-	6d	Vs
.8	BZX584C4V3-V-G	Z-diode	SOD-523	1a	4.0..4.6V, Izt=5mA, Zzt=90Ω, 200mW	A17	-	6d	Vs
.9	BZX584C33-V-G	Z-diode	SOD-523	1a	31..35V, Izt=2mA, Zzt=80Ω, 200mW	A56	-	6d	Vs
.9	BZX584C4V7-V-G	Z-diode	SOD-523	1a	4.4..5.0V, Izt=5mA, Zzt=80Ω, 200mW	A17	-	6d	Vs
.A10.	AUSSCD1010H	Si-diode	1206	1vp	SBR, 100V, 1A, Vf=0.76V(1A), H-free	-	-	14d	Zow
.A2.	AUSSCD102H	Si-diode	1206	1vp	SBR, 20V, 1A, Vf=0.46V(1A), H-free	-	-	14d	Zow
.A4.	AUSSCD104H	Si-diode	1206	1vp	SBR, 40V, 1A, Vf=0.46V(1A), H-free	-	-	14d	Zow
.A6.	AUSSCD106H	Si-diode	1206	1vp	SBR, 60V, 1A, Vf=0.62V(1A), H-free	-	-	14d	Zow
.B2.	AUSSCD052H	Si-diode	1206	1vp	SBR, 20V, 500mA, V=0.40V(500mA), H-free	-	-	14d	Zow
.B4.	AUSSCD054H	Si-diode	1206	1vp	SBR, 40V, 500mA, V=0.45V(500mA), H-free	-	-	14d	Zow
.C3	CZRW5223B-HF	Z-diode	SOD-123	1a	2.57..2.84V, Zzt=30Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.C5	CZRW5225B-HF	Z-diode	SOD-123	1a	2.85..3.15V, Zzt=30Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.E1	CZRW5231B-HF	Z-diode	SOD-123	1a	4.85..5.36V, Zzt=17Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.E2	CZRW5232B-HF	Z-diode	SOD-123	1a	5.32..5.88V, Zzt=11Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.E3	CZRW5233B-HF	Z-diode	SOD-123	1a	5.70..6.30V, Zzt=7Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.E4	CZRW5234B-HF	Z-diode	SOD-123	1a	5.89..6.51V, Zzt=7Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.E5	CZRW5235B-HF	Z-diode	SOD-123	1a	6.46..7.14V, Zzt=5Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.F1	CZRW5236B-HF	Z-diode	SOD-123	1a	7.13..7.88V, Zzt=6Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.F2	CZRW5237B-HF	Z-diode	SOD-123	1a	7.79..8.61V, Zzt=8Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.F3	CZRW5238B-HF	Z-diode	SOD-123	1a	8.27..9.14V, Zzt=8Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.F4	CZRW5239B-HF	Z-diode	SOD-123	1a	8.65..9.56V, Zzt=10Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.F5	CZRW5240B-HF	Z-diode	SOD-123	1a	9.50..10.50V, Zzt=17Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.G1	CZRW5226B-HF	Z-diode	SOD-123	1a	3.14..3.47V, Zzt=28Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.G2	CZRW5227B-HF	Z-diode	SOD-123	1a	3.42..3.78V, Zzt=24Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.G3	CZRW5228B-HF	Z-diode	SOD-123	1a	3.71..4.10V, Zzt=23Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.G4	CZRW5229B-HF	Z-diode	SOD-123	1a	4.09..4.52V, Zzt=22Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.G5	CZRW5230B-HF	Z-diode	SOD-123	1a	4.47..4.94V, Zzt=19Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.H1	CZRW5241B-HF	Z-diode	SOD-123	1a	10.45..11.55V, Zzt=22Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.H2	CZRW5242B-HF	Z-diode	SOD-123	1a	11.40..12.60V, Zzt=30Ω, Izt=20mA, 350mW	A18	-	5d	Cmc
.H3	CZRW5243B-HF	Z-diode	SOD-123	1a	12.35..13.65V, Zzt=13Ω, Izt=9.5mA, 350mW	A18	-	5d	Cmc
.H4	CZRW5244B-HF	Z-diode	SOD-123	1a	13.30..14.70V, Zzt=15Ω, Izt=9.0mA, 350mW	A18	-	5d	Cmc
.H5	CZRW5245B-HF	Z-diode	SOD-123	1a	14.25..15.75V, Zzt=16Ω, Izt=8.5mA, 350mW	A18	-	5d	Cmc
.J1	CZRW5246B-HF	Z-diode	SOD-123	1a	15.20..16.80V, Zzt=17Ω, Izt=7.8mA, 350mW	A18	-	5d	Cmc
.J2	CZRW5247B-HF	Z-diode	SOD-123	1a	16.15..17.85V, Zzt=19Ω, Izt=7.4mA, 350mW	A18	-	5d	Cmc
.J3	CZRW5248B-HF	Z-diode	SOD-123	1a	17.10..18.90V, Zzt=21Ω, Izt=7.0mA, 350mW	A18	-	5d	Cmc
.J5	CZRW5250B-HF	Z-diode	SOD-123	1a	19.0..21.0V, Zzt=25Ω, Izt=6.2mA, 350mW	A18	-	5d	Cmc
.K	BZX584C30-V-G	Z-diode	SOD-523	1a	28..32V, Izt=2mA, Zzt=80Ω, 200mW	A17	-	6d	Vs
.K1	CZRW5251B-HF	Z-diode	SOD-123	1a	20.90..23.10V, Zzt=29Ω, Izt=5.6mA, 350mW	A18	-	5d	Cmc
.K2	CZRW5252B-HF	Z-diode	SOD-123	1a	22.80..25.20V, Zzt=33Ω, Izt=5.2mA, 350mW	A18	-	5d	Cmc
.K4	CZRW5254B-HF	Z-diode	SOD-123	1a	25.65..28.35V, Zzt=41Ω, Izt=5mA, 350mW	A18	-	5d	Cmc
.K5	CZRW5255B-HF	Z-diode	SOD-123	1a	26.60..29.40V, Zzt=44Ω, Izt=4.5mA, 350mW	A18	-	5d	Cmc
.L	BZX584C47-V-G	Z-diode	SOD-523	1a	44..50V, Izt=2mA, Zzt=170Ω, 200mW	A17	-	6d	Vs
.L2.	AUSSCD202H	Si-diode	1206	1vp	SBR, 20V, 2A, Vf=0.47V(2A), H-free	-	-	14d	Zow
.L4.	AUSSCD204H	Si-diode	1206	1vp	SBR, 40V, 2A, Vf=0.47V(2A), H-free	-	-	14d	Zow
.M	BZX584C51-V-G	Z-diode	SOD-523	1a	48..54V, Izt=2mA, Zzt=180Ω, 200mW	A17	-	6d	Vs
.M1	CZRW5256B-HF	Z-diode	SOD-123	1a	28.50..31.50V, Zzt=49Ω, Izt=4.2mA, 350mW	A18	-	5d	Cmc
.P	BZX584C11-V-G	Z-diode	SOD-523	1a	10.4..11.6V, Izt=5mA, Zzt=20Ω, 200mW	A57	-	6d	Vs
.P	BZX584C36-V-G	Z-diode	SOD-523	1a	34..38V, Izt=2mA, Zzt=90Ω, 200mW	A56	-	6d	Vs
.R	BZX584C10-V-G	Z-diode	SOD-523	1a	9.4..10.6V, Izt=5mA, Zzt=20Ω, 200mW	A57	-	6d	Vs
.R	BZX584C39-V-G	Z-diode	SOD-523	1a	37..41V, Izt=2mA, Zzt=130Ω, 200mW	A56	-	6d	Vs

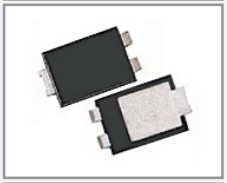
SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Mnf
ZV	TSZL52C27	Z-diode	1005	2b	25.65..28.35V, Izt=5mA, Zzt=80Ω, 200mW	-	-	70d	Tsc
ZV	TSZU52C27	Z-diode	0603	2b	25.65..28.35V, Izt=5mA, Zzt=80Ω, 150mW	-	-	70d	Tsc
ZV	TV04A850JB-G	TVS	DO-214AC	2o	Vrwm=85.0V, Vbr=94.40..104.0V, Ipp=2.92A, 400W(1ms), Bidir.	A07a	42	162ba	Cmc
ZV	ZGFM10270B-M	Z-diode	SOD-123	1a	256.5..283.5V, Izt=0.8mA, Zzt=2100Ω, 1W	-	-	5d	Frm
ZVA	TPSMAJ85CA	TVS	DO-214AC	1j	Vrwm=85.0V, Vbr=94.40..104.0V, Ipp=2.92A, 400W(1ms), Bidir.	-	-	162ba	Anv
ZVA	TPSMAJ85CA	TVS	DO-214AC	1rb	Vrwm=85.0V, Vbr=94.40..104.0V, Ipp=2.92A, 400W(1ms), Bidir.	A06s	25	162ba	Smw
ZVA	TPSMAJ85CA	TVS	DO-214AC	1wa	Vrwm=85.0V, Vbr=94.40..104.0V, Ipp=2.92A, 400W(1ms), Bidir.	A08f	-	162ba	Soc
ZVA	TPSMAJ85CA	TVS	DO-214AC	1wa	Vrwm=85.0V, Vbr=94.40..104.0V, Ipp=2.92A, 400W(1ms), Bidir.	A08z	-	162ba	Un
ZVH	SMAJ85CA-H	TVS	DO-214AC	1me	Vrwm=85.0V, Vbr=94.40..104.0V, Ipp=2.92A, 400W(1ms), Bidir.	A06n	28	162ba	Ynt
ZW	BZT52C39S	Z-diode	SOD-323F	2qm	37.05..40.95V, Izt=2mA, Zzt=130Ω, 200mW	-	-	7d	Tsc
ZW	BZX284-C62	Z-diode	SOD-110	1bb	62V±5%, If=250mA, 400mW	-	-	12d	Nxp
ZW	CD0603-Z30	Z-diode	0603	2b	28.5..31.5V, 5mA, Zzt=80Ω, 150mW	-	-	70d	Brn
ZW	CD1005-Z30	Z-diode	1005	2b	28.5..31.5V, 5mA, Zzt=80Ω, 200mW	-	-	70d	Brn
ZW	CZRER52C30	Z-diode	SOD-723F	2b	28.50..31.50V, Izt=5mA, Zzt=80Ω, 150mW	-	-	70d	Cmc
ZW	CZRERT52C30	Z-diode	SOD-723F	2b	28.50..31.50V, Izt=5mA, Zzt=80Ω, 150mW	-	-	70d	Cmc
ZW	CZRF52C30	Z-diode	1005	2b	28.50..31.50V, Izt=5mA, Zzt=80Ω, 200mW	-	-	70d	Cmc
ZW	CZRFR52C30	Z-diode	1005	2b	28.50..31.50V, Izt=5mA, Zzt=80Ω, 200mW	-	-	70d	Cmc
ZW	CZRQR52C30	Z-diode	0402	2b	28.50..31.50V, Izt=5mA, Zzt=80Ω, 125mW	-	-	70d	Cmc
ZW	CZRUR52C30	Z-diode	0603	2b	28.50..31.50V, Izt=5mA, Zzt=80Ω, 150mW	-	-	70d	Cmc
ZW	EC76SMAJ90C	TVS	DO-214AC	1wd	Vbr=100..122V, Vrwm=90V, Ipp=1.9A, 400W(1ms), Bidir.	A69	30	162ba	Ecm
ZW	MM3Z39	Z-diode	SOD-323FL	1a	37..41V, Izt=2.5mA, Zzt=100Ω, 300mW	-	-	7d	Fci
ZW	MM3Z39VC	Z-diode	SOD-323FL	1a	37.05..40.95V, Zzt=122Ω, Izt=2mA, 200mW	-	-	7d	F
ZW	P4SMAJ90C	TVS	DO-214AC	1j	Vrwm=90V, Vbr=100..122V, Ipp=2.5A, 400W(1ms), Bidir.	-	-	162ba	Lsr
ZW	SMAJ90C	TVS	DO-214AC	1wa	Vrwm=90.0V, Vbr=100.0..122.0V, Ipp=2.50A, 400W(1ms), Bidir.	A08f	-	162ba	Soc
ZW	SMAJ90C	TVS	DO-214AC	1kb	Vrwm=90V, Vbr=100..122V, 1.9A, 400W(1ms), Bidir.	A71	30	162ba	Vs
ZW	TCMM3Z39VC	Z-diode	SOD-323FL	1a	39V±5%, Izt=5mA, Zzt=122Ω, 200mW	-	-	7d	Tak
ZW	TPSMA36A	TVS	DO-214AC	2j	Vrwm=36V, Ipp=8.0A, 400W (1ms)	A61	01	162d	Fag
ZW	TSZL52C30	Z-diode	1005	2b	28.50..31.50V, Izt=5mA, Zzt=80Ω, 200mW	-	-	70d	Tsc
ZW	TSZU52C30	Z-diode	0603	2b	28.50..31.50V, Izt=5mA, Zzt=80Ω, 150mW	-	-	70d	Tsc
ZW	TV04A900KB-G	TVS	DO-214AC	2o	Vrwm=90V, Vbr=100.0..122.0V, Ipp=2.50A, 400W(1ms), Bidir.	A07a	42	162ba	Cmc
ZW	VS36VUA1VWM	TVS	PMDE	2v	Vbr=40.0..46.0V, Vrwm=36V, Ipp=3.4A, 200W(1ms)	A13	-	9d	Rhm
ZW	ZGFM10300B-M	Z-diode	SOD-123	1a	285.0..315.0V, Izt=0.8mA, Zzt=2300Ω, 1W	-	-	5d	Frm
ZX	BZT5250H-C51	Z-diode	SOD-123F	1dd	48.00..54.00V, Zzt=180Ω, If=230mA, 375mW	A02k	49	7d	Nxp
ZX	BZT52C43S	Z-diode	SOD-323F	2qm	40.85..45.15V, Izt=2mA, Zzt=150Ω, 200mW	-	-	7d	Tsc
ZX	BZX284-C68	Z-diode	SOD-110	1bb	68V±5%, If=250mA, 400mW	-	-	12d	Nxp
ZX	CD0603-Z33	Z-diode	0603	2b	31.35..34.65V, 5mA, Zzt=80Ω, 150mW	-	-	70d	Brn
ZX	CD1005-Z33	Z-diode	1005	2b	31.35..34.65V, 5mA, Zzt=80Ω, 200mW	-	-	70d	Brn
ZX	CZRER52C33	Z-diode	SOD-723F	2b	31.35..34.65V, Izt=5mA, Zzt=80Ω, 150mW	-	-	70d	Cmc
ZX	CZRERT52C33	Z-diode	SOD-723F	2b	31.35..34.65V, Izt=5mA, Zzt=80Ω, 150mW	-	-	70d	Cmc
ZX	CZRF52C33	Z-diode	1005	2b	31.35..34.65V, Izt=5mA, Zzt=80Ω, 200mW	-	-	70d	Cmc
ZX	CZRFR52C33	Z-diode	1005	2b	31.35..34.65V, Izt=5mA, Zzt=80Ω, 200mW	-	-	70d	Cmc
ZX	CZRQR52C33	Z-diode	0402	2b	31.35..34.65V, Izt=5mA, Zzt=80Ω, 125mW	-	-	70d	Cmc
ZX	CZRUR52C33	Z-diode	0603	2b	31.35..34.65V, Izt=5mA, Zzt=80Ω, 150mW	-	-	70d	Cmc
ZX	EC76SMAJ90CA	TVS	DO-214AC	1wd	Vbr=100..111V, Vrwm=90V, Ipp=2.1A, 400W(1ms), Bidir.	A69	30	162ba	Ecm
ZX	KSMAJ90CA	TVS	DO-214AC	1j	Vrwm=90.0V, Vbr=100.0..111.0V, Ipp=2.74A, 400W(1ms), Bidir.	-	-	162ba	Kuu
ZX	MM3Z43	Z-diode	SOD-323FL	1a	40..46V, Izt=2.5mA, Zzt=130Ω, 300mW	-	-	7d	Fci
ZX	MM3Z43VC	Z-diode	SOD-323FL	1a	40.85..45.15V, Zzt=141Ω, Izt=2mA, 200mW	-	-	7d	F
ZX	P4SMAJ90AC	TVS	DO-214AC	1j	Vrwm=90V, Vbr=100..111.0V, Ipp=2.7A, 400W(1ms), Bidir.	-	-	162ba	Fre
ZX	P4SMAJ90CA	TVS	DO-214AC	1j	Vrwm=90V, Vbr=100..111V, Ipp=2.7A, 400W(1ms), Bidir.	-	-	162ba	Lsr
ZX	PMF90CA	TVS	SOD-123FL	1j	Vbr=100..111V, Vrwm=90V, Ipp=1.37A, 200W(1ms), Bidir.	-	-	7ba	Shp
ZX	S4MF90CA	TVS	SOD-123FL	1j	Vrwm=90.0V, Vbr=100.0..111.0V, Ipp=2.7A, 400W(1ms), Bidir.	-	-	7ba	Zhd
ZX	SMAJ90CA	TVS	DO-214AC	1me	Vrwm=90.0V, Vbr=100.0..111.0V, Ipp=2.74A, 400W(1ms), Bidir.	A06n	28	162ba	Ynt
ZX	SMAJ90CA	TVS	DO-214AC	1wa	Vrwm=90.0V, Vbr=100.0..111.0V, Ipp=2.74A, 400W(1ms), Bidir.	A08f	-	162ba	Soc
ZX	SMAJ90CA	TVS	DO-214AC	1wa	Vrwm=90.0V, Vbr=100.0..111.0V, Ipp=2.74A, 400W(1ms), Bidir.	A08m	-	162ba	Mco
ZX	SMAJ90CA	TVS	DO-214AC	1mn	Vrwm=90.0V, Vbr=100.00..111.00V, Ipp=2.74A, 400W(1ms), Bidir.	-	30	162ba	Wil
ZX	SMAJ90CA	TVS	DO-214AC	1kb	Vrwm=90V, Vbr=100..111V, 2.1A, 400W(1ms), Bidir.	A71	30	162ba	Vs
ZX	SMAS90CA	TVS	SMA-S	1wb	Vrwm=90V, Vbr=100..111V, Ipp=2.7A, 400W(1ms), Bidir.	A07d	-	7ba	Frm
ZX	SMF4L90CA	TVS	SOD-123FL	1j	Vrwm=90V, Vbr=100.0..111.0V, Ipp=2.8A, 400W(1ms), Bidir.	-	-	7ba	Utr
ZX	SMF4L90CA	TVS	SOD-123FL	1rb	Vrwm=90V, Vbr=100.0..111.0V, Ipp=2.8A, 400W(1ms), Bidir.	A06s	25	7ba	Smw
ZX	SMF90CA	TVS	SOD-123F	1j	Vrwm=90.0V, Vbr=100.0..111.0V, Ipp=1.37A, 200W(1ms), Bidir.	-	-	7ba	Els
ZX	TCMM3Z43VC	Z-diode	SOD-323FL	1a	43V±5%, Izt=5mA, Zzt=141Ω, 200mW	-	-	7d	Tak
ZX	TPSMA39A	TVS	DO-214AC	2j	Vrwm=39V, Ipp=7.4A, 400W (1ms)	A61	01	162d	Fag
ZX	TSZL52C33	Z-diode	1005	2b	31.35..34.65V, Izt=5mA, Zzt=80Ω, 200mW	-	-	70d	Tsc
ZX	TSZU52C33	Z-diode	0603	2b	31.35..34.65V, Izt=5mA, Zzt=80Ω, 150mW	-	-	70d	Tsc
ZX	TV04A900JB-G	TVS	DO-214AC	2o	Vrwm=90V, Vbr=100.0..111.0V, Ipp=2.74A, 400W(1ms), Bidir.	A07a	42	162ba	Cmc
ZX	ZGFM10330B-M	Z-diode	SOD-123	1a	313.5..346.5V, Izt=0.7mA, Zzt=2500Ω, 1W	-	-	5d	Frm
ZY	BZT52C30S	Z-diode	SOD-323F	2qm	28.50..31.50V, Izt=2mA, Zzt=80Ω, 200mW	-	-	7d	Tsc
ZY	BZT52C47S	Z-diode	SOD-323F	2qm	44.65..49.35V, Izt=2mA, Zzt=170Ω, 200mW	-	-	7d	Tsc
ZY	BZX284-C75	Z-diode	SOD-110	1bb	75V±5%, If=250mA, 400mW	-	-	12d	Nxp
ZY	CD0603-Z36	Z-diode	0603	2b	34.2..37.8V, 5mA, Zzt=90Ω, 150mW	-	-	70d	Brn

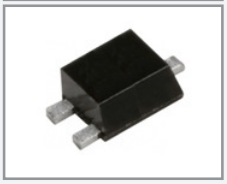
SECTION 2

3-pin case SMD semiconductor components





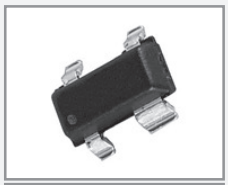


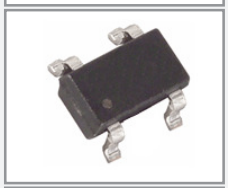


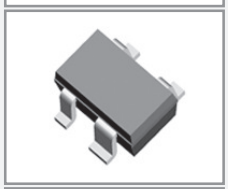
SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
-	ELM7548CEB	Vdet-IC	SOT-323	3d	4.8V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
-	ELM7548NEB	Vdet-IC	SOT-323	3d	4.8V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
#	ELM7541CEB	Vdet-IC	SOT-323	3d	4.1V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
#	ELM7541NEB	Vdet-IC	SOT-323	3d	4.1V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
*	ELM7546CEB	Vdet-IC	SOT-323	3d	4.6V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
*	ELM7546NEB	Vdet-IC	SOT-323	3d	4.6V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
*	ELM7547NEB	Vdet-IC	SOT-323	3d	4.7V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
.038	MC1038	n-MOSFET	SC-89-3	3a	GP, 20V, 750mA, 300mW, 0.24Ω(600mA), 3.8/252µs	-	-	18fh	nMOS2	Mep
.AWE0	WL9004S3-31	LVR-IC	SOT-23-3L	3a	LDO, 3.1V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWE1	WL9004S3-32	LVR-IC	SOT-23-3L	3a	LDO, 3.2V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWE2	WL9004S3-33	LVR-IC	SOT-23-3L	3a	LDO, 3.3V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWE3	WL9004S3-34	LVR-IC	SOT-23-3L	3a	LDO, 3.4V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWE4	WL9004S3-35	LVR-IC	SOT-23-3L	3a	LDO, 3.5V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWE5	WL9004S3-36	LVR-IC	SOT-23-3L	3a	LDO, 3.6V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWE6	WL9004S3-37	LVR-IC	SOT-23-3L	3a	LDO, 3.7V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWE7	WL9004S3-38	LVR-IC	SOT-23-3L	3a	LDO, 3.8V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWE8	WL9004S3-39	LVR-IC	SOT-23-3L	3a	LDO, 3.9V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWE9	WL9004S3-40	LVR-IC	SOT-23-3L	3a	LDO, 4.0V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWEA	WL9004S3-41	LVR-IC	SOT-23-3L	3a	LDO, 4.1V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWEB	WL9004S3-42	LVR-IC	SOT-23-3L	3a	LDO, 4.2V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWEC	WL9004S3-43	LVR-IC	SOT-23-3L	3a	LDO, 4.3V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWED	WL9004S3-44	LVR-IC	SOT-23-3L	3a	LDO, 4.4V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWEE	WL9004S3-45	LVR-IC	SOT-23-3L	3a	LDO, 4.5V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWEG	WL9004S3-46	LVR-IC	SOT-23-3L	3a	LDO, 4.6V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWEH	WL9004S3-47	LVR-IC	SOT-23-3L	3a	LDO, 4.7V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWEK	WL9004S3-48	LVR-IC	SOT-23-3L	3a	LDO, 4.8V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWEL	WL9004S3-49	LVR-IC	SOT-23-3L	3a	LDO, 4.9V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWEM	WL9004S3-50	LVR-IC	SOT-23-3L	3a	LDO, 5.0V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWV9	WL9004S3-10	LVR-IC	SOT-23-3L	3a	LDO, 1.0V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVA	WL9004S3-11	LVR-IC	SOT-23-3L	3a	LDO, 1.1V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVB	WL9004S3-12	LVR-IC	SOT-23-3L	3a	LDO, 1.2V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVC	WL9004S3-13	LVR-IC	SOT-23-3L	3a	LDO, 1.3V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVD	WL9004S3-14	LVR-IC	SOT-23-3L	3a	LDO, 1.4V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVE	WL9004S3-15	LVR-IC	SOT-23-3L	3a	LDO, 1.5V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVF	WL9004S3-16	LVR-IC	SOT-23-3L	3a	LDO, 1.6V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVH	WL9004S3-17	LVR-IC	SOT-23-3L	3a	LDO, 1.7V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVK	WL9004S3-18	LVR-IC	SOT-23-3L	3a	LDO, 1.8V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVL	WL9004S3-19	LVR-IC	SOT-23-3L	3a	LDO, 1.9V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVM	WL9004S3-20	LVR-IC	SOT-23-3L	3a	LDO, 2.0V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVN	WL9004S3-21	LVR-IC	SOT-23-3L	3a	LDO, 2.1V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVP	WL9004S3-22	LVR-IC	SOT-23-3L	3a	LDO, 2.2V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVR	WL9004S3-23	LVR-IC	SOT-23-3L	3a	LDO, 2.3V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVS	WL9004S3-24	LVR-IC	SOT-23-3L	3a	LDO, 2.4V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVT	WL9004S3-25	LVR-IC	SOT-23-3L	3a	LDO, 2.5V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVU	WL9004S3-26	LVR-IC	SOT-23-3L	3a	LDO, 2.6V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVV	WL9004S3-27	LVR-IC	SOT-23-3L	3a	LDO, 2.7V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVX	WL9004S3-28	LVR-IC	SOT-23-3L	3a	LDO, 2.8V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVY	WL9004S3-29	LVR-IC	SOT-23-3L	3a	LDO, 2.9V±2%, 500mA	B01a	-	16cg	VR1	Wpm
.AWVZ	WL9004S3-30	LVR-IC	SOT-23-3L	3a	LDO, 3.0V±2%, 500mA	B01a	-	16cg	VR1	Wpm
/	ELM7554CEB	Vdet-IC	SOT-323	3d	5.4V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
/	ELM7554NEB	Vdet-IC	SOT-323	3d	5.4V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
+	ELM7547CEB	Vdet-IC	SOT-323	3d	4.7V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
+FZVC	LM4040CEM3-5.0/V+T	Vref-IC	SOT-23	3a	uPower, Precision, Shunt, 5.00V±0.5%	-	-	16dk	RF1	Max
+P2	BFR92A	Si-npn	SOT-23	3cc	UHF-A-Band, 20V, 25mA, 300mW, B>40, >5GHz	-	-	16ta	-	Vs
+P5	BFR92AR	Si-npn	SOT-23	3cc	UHF-A-Band, 20V, 25mA, 300mW, B>40, >5GHz	-	-	16te	-	Vs
+PN	BA779S	PIN-diode	SOT-23	3cc	HF-Att, 30V, 50mA, Vf<1V(20mA, 0.5pF, Zt=9kΩ, 1GHz	-	-	16dc	-	Vs
+R2	BFR93A	Si-npn	SOT-23	3a	UHF-A-Band, 15V, 30mA, 300mW, B>40, >5GHz	-	-	16ta	-	Tfk
+R5	BFR93AR	Si-npn	SOT-23	3a	UHF-A-Band, 15V, 30mA, 300mW, B>40, >5GHz	-	-	16te	-	Tfk
<	ELM7553CEB	Vdet-IC	SOT-323	3d	5.3V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
<	ELM7553NEB	Vdet-IC	SOT-323	3d	5.3V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
=	ELM7544CEB	Vdet-IC	SOT-323	3d	4.4V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
=	ELM7544NEB	Vdet-IC	SOT-323	3d	4.4V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
>	ELM7549CEB	Vdet-IC	SOT-323	3d	4.9V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
>	ELM7549NEB	Vdet-IC	SOT-323	3d	4.9V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
0	AX6904IA	Vdet-IC	SC-70-3L	3be	4.25V±1.5%, +Reset PPO	-	27	16vdb	VD7	Axl
0.	ELM7552CEB	Vdet-IC	SOT-323	3d	5.2V±2%, +Reset PPO	B23a	23	16vdb	VD7	Elm
0.	ELM7552NEB	Vdet-IC	SOT-323	3d	5.2V±2%, +Reset ODO	B23a	06	16vdb	VD6	Elm
00	AP8822C-40GA	Vdet-IC	SOT-23	3ba	4.0V±2%, -Reset PPO, Rdt=200ms, H-free	B05e	-	16vdc	VD7	Anw
00	AP8822C-40GT	Vdet-IC	SOT-323	3ba	4.0V±2%, -Reset PPO, Rdt=200ms, H-free	B05e	-	16vdc	VD7	Anw
00	AP8822C-40PA	Vdet-IC	SOT-23	3ba	4.0V±2%, -Reset PPO, Rdt=200ms	B05	-	16vdc	VD7	Anw

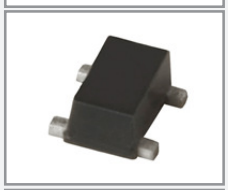
SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
ZS	2PC4617S	Si-npn	SOT-416	3a	GP, 50V, 100mA, 150mW, >100MHz, B=270..560	-	-	16ta	-	Nxp
ZS	2PC4617SJ	Si-npn	SOT-490	3a	GP, 50V, 100mA, 250mW, >100MHz, B=270..560	-	-	18ta	-	Nxp
ZS	2PD601AS	Si-npn	SOT-346	3a	GP, Sw., 60V, 100mA, 250mW, B=290..460, >140MHz	B43	-	16ta	-	Nxp
ZS	2SD1819A-S	Si-npn	SOT-323	3hd	GP, 60V, 200mA, 150mW, 150MHz, B=290..460	B48b	-	16ta	-	Pan
ZS	2SD2496-S	Si-npn	SOT-23	3hd	GP, 60V, 100mA, 150MHz, B=120..240	B48b	-	16ta	-	Pan
ZS	2SD601A-S	Si-npn	SC-59	3hd	GP, AF, 60V, 100mA, 200mW, B=290..460, 150MHz	B48b	-	16ta	-	Pan
ZS	CAT810ZSDI-GT3	Vdet-IC	SOT-323	3d	2.32V±1.5%, +Reset PPO	-	-	16vdc	VD7	Ons
ZS	CAT810ZTBI-GT3	Vdet-IC	SOT-23	3b	2.32V±1.5%, +Reset PPO	-	-	16vdc	VD7	Ons
ZS	MAX810SQ293D1T	Vdet-IC	SOT-323	3b	2.93V±1.5%, Rdt=1ms, +Reset PPO	-	-	16vdc	VD7	Ons
ZS	MSD1819A-S	Si-npn	SOT-323	3a	GP, 60V, 100mA, 150mW, B=290..460	-	-	16ta	-	Mot
Z-S	2PC4081S	Si-npn	SOT-323	3a	GP, 50V, 150mA, 200mW, B=270..560, >100MHz	-	-	16ta	-	NxH
ZS-	2SC5702	Si-pnp	MFPAK	3a	HF-amp.Ωsc, 15V, 50mA, 80mW, B=100..160, 8GHz	B10b	-	18ta	-	Ren
ZS-	PDTD123YU	Si-npn-Digi	SOT-323	3a	Sw., 50V, 500mA, 300mW, R1/R2=2.2k/10k	-	-	16ta	-	NxH
ZS1	ZHCS1000	Si-diode	SOT-23	3a	SB, 30V, 1A, Vf<0.5V(1)	-	-	16dc	-	Zx
ZS2	ZHCS2000	Si-diode	SOT-23	3a	SB, 40V, 2A	-	-	16dc	-	Zx
ZS5	ZHCS500	Si-diode	SOT-23	3a	SB, 40V, 500mA, Vf<0.55V(500mA)	-	-	16dc	-	Zx
ZS7	ZHCS750	Si-diode	SOT-23	3a	SB, 30V, 750mA, Vf<0.54V(750mA)	-	-	16dc	-	Zx
ZSA	KN3905S	Si-pnp	SOT-23	3f	GP, Sw., 40V, 200mA, 250mW, B=30..150, 200MHz	B43	-	16ta	-	Kec
ZSJ	UM810IP	Vdet-IC	SC-70-3	3ca	3.9V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZSK	UM810KP	Vdet-IC	SC-70-3	3ca	3.8V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZSL	UM810HP	Vdet-IC	SC-70-3	3ca	4.1V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZSN	UM810NP	Vdet-IC	SC-70-3	3ca	3.7V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZSp	PDTD123YU	Si-npn-Digi	SOT-323	3a	Sw., 50V, 500mA, 300mW, R1/R2=2.2k/10k	-	-	16ta	-	NxH
ZSP	UM810OP	Vdet-IC	SC-70-3	3ca	3.6V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZSQ	UM810PP	Vdet-IC	SC-70-3	3ca	3.5V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZSR	UM810QP	Vdet-IC	SC-70-3	3ca	3.4V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZSS	UM810UP	Vdet-IC	SC-70-3	3ca	3.3V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZSt	PDTD123YU	Si-npn-Digi	SOT-323	3a	Sw., 50V, 500mA, 300mW, R1/R2=2.2k/10k	-	-	16ta	-	NxM
ZST	UM810VP	Vdet-IC	SC-70-3	3ca	3.2V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZSw	PDTD123YU	Si-npn-Digi	SOT-323	3a	Sw., 50V, 500mA, 300mW, R1/R2=2.2k/10k	-	-	16ta	-	NxC
ZSY	FM810SP3X	Vdet-IC	SOT-323	3a	2.93V±1.5%, +Reset PPO	-	-	16vdc	VD7	F
ZSY	UM810SP	Vdet-IC	SC-70-3	3ca	2.93V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZT	CZMK7V5	Z-diode	SOT-23	3a	Dual, 7.5V±5%, Izt=5mA, 300mW	-	-	16dg	-	Cdi
ZT	MAX810SQ293D2T	Vdet-IC	SOT-323	3b	2.93V±1.5%, Rdt=20ms, +Reset PPO	-	-	16vdc	VD7	Ons
ZT	TZT7V5CW	Z-diode	SOT-23	3a	Dual, 7.0..7.9V, Izt=5mA, Zzt=15Ω, 300mW	-	-	16dg	-	Ttr
ZT-	PBSS4140T	Si-npn	SOT-23	3f	GP, Sw., BISS, 40V, 1A, 300mW, B=200..900, >150MHz	B43b	-	16ta	-	NxH
ZT-	PDTD143EU	Si-npn-Digi	SOT-323	3a	Sw., 50V, 500mA, 300mW, R1/R2=4.7k/4.7k	-	-	16ta	-	NxH
ZTA	KN4400S	Si-npn	SOT-23	3f	GP, Sw., 60V, 600mA, 350mW, B=50..150, 200MHz	B43	-	16ta	-	Kec
ZTJ	UM810BP	Vdet-IC	SC-70-3	3ca	4.9V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZTK	UM810CP	Vdet-IC	SC-70-3	3ca	4.8V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZTM	UM810AP	Vdet-IC	SC-70-3	3ca	5.0V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZTN	UM810DP	Vdet-IC	SC-70-3	3ca	4.7V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZTp	PBSS4140T	Si-npn	SOT-23	3f	GP, Sw., BISS, 40V, 1A, 300mW, B=200..900, >150MHz	B43b	-	16ta	-	NxH
ZTp	PDTD143EU	Si-npn-Digi	SOT-323	3a	Sw., 50V, 500mA, 300mW, R1/R2=4.7k/4.7k	-	-	16ta	-	NxH
ZtQ	2PC4081Q	Si-npn	SOT-323	3a	GP, 50V, 100mA, 200mW, B=120..270, >100MHz	-	-	16ta	-	NxM
ZTQ	UM810EP	Vdet-IC	SC-70-3	3ca	4.5V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZtR	2PC4081R	Si-npn	SOT-323	3a	GP, 50V, 100mA, 200mW, B=180..390, >100MHz	-	-	16ta	-	NxM
ZtS	2PC4081S	Si-npn	SOT-323	3a	GP, 50V, 150mA, 200mW, B=270..560, >100MHz	-	-	16ta	-	NxM
ZTS	UM810FP	Vdet-IC	SC-70-3	3ca	4.3V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZTt	PBSS4140T	Si-npn	SOT-23	3f	GP, Sw., BISS, 40V, 1A, 300mW, B=200..900, >150MHz	B43b	-	16ta	-	NxM
ZTt	PDTD143EU	Si-npn-Digi	SOT-323	3a	Sw., 50V, 500mA, 300mW, R1/R2=4.7k/4.7k	-	-	16ta	-	NxM
ZTT	UM810GP	Vdet-IC	SC-70-3	3ca	4.2V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZtV	PMF63UNE	n-MOSFET-e	SOT-323	3a	T-MOS, 20V, 2.2A, 300mW, Rds=57mΩ(2A), 8/35ns	-	-	16fh	nMOS1	NxM
ZtW	PMF250XNE	n-MOSFET-e	SOT-323	3a	T-MOS, 30V, 1A, 275mW, Rds=212mΩ(900mA), 7/17ns	-	-	16fh	nMOS1	NxM
ZTw	PBSS4140T	Si-npn	SOT-23	3f	GP, Sw., BISS, 40V, 1A, 300mW, B=200..900, >150MHz	B43b	-	16ta	-	NxC
ZTw	PDTD143EU	Si-npn-Digi	SOT-323	3a	Sw., 50V, 500mA, 300mW, R1/R2=4.7k/4.7k	-	-	16ta	-	NxC
ZTY	FM810TP3X	Vdet-IC	SOT-323	3a	3.08V±1.5%, +Reset PPO	-	-	16vdc	VD7	F
ZTY	UM810TP	Vdet-IC	SC-70-3	3ca	3.08V±1%, +Reset PPO	-	-	16vdc	VD7	Uns
ZU	15GN03CA	Si-npn	CP	3a	VHF, RF, Mix,Ωsc, IF Amp, 20V, 70mA, 200mW, 1.5GHz, B=100..180	-	-	16ta	-	Ons
ZU	MAX810SQ293D3T	Vdet-IC	SOT-323	3b	2.93V±1.5%, Rdt=100ms, +Reset PPO	-	-	16vdc	VD7	Ons
ZU-	2SJ486	p-MOSFET	SOT-23	3a	V-MOS, LogL, 30V, 0.3A, <0.65Ω, integr. Rgate	-	-	16fh	pMOS2	Ren
ZU-	PDTD143XU	Si-npn-Digi	SOT-323	3a	Sw., 50V, 500mA, 300mW, R1/R2=4.7k/10k	-	-	16ta	-	NxH
ZU1	CHDTA143ZUPT	Si-pnp-Digi	SOT-323	3a	Sw., 50V, 100mA, 250MHz, R1/R2=4.7/47k	-	-	16ta	-	Chm
ZU2	CHDTA113ZUPT	Si-pnp-Digi	SOT-323	3a	Sw., 50V, 100mA, 250MHz, R1/R2=1/10k	-	-	16ta	-	Chm
ZUA	CHDTC113ZUPT	Si-npn-Digi	SOT-323	3a	Sw., 50V, 100mA, 250MHz, R1/R2=1k/2k	-	-	16ta	-	Chm
ZUA	KN4401S	Si-npn	SOT-23	3f	GP, Sw., 60V, 600mA, 350mW, B=100..300, 250MHz	B43	-	16ta	-	Kec
ZUB	CHDTD113ZUPT	Si-npn-Digi	SOT-323	3a	Sw., 50V, 500mA, 200MHz, R1/R2=1k/10k	-	-	16ta	-	Chm
ZUp	PDTD143XU	Si-npn-Digi	SOT-323	3a	Sw., 50V, 500mA, 300mW, R1/R2=4.7k/10k	-	-	16ta	-	NxH
ZUt	PDTD143XU	Si-npn-Digi	SOT-323	3a	Sw., 50V, 500mA, 300mW, R1/R2=4.7k/10k	-	-	16ta	-	NxM
ZUw	PDTD143XU	Si-npn-Digi	SOT-323	3a	Sw., 50V, 500mA, 300mW, R1/R2=4.7k/10k	-	-	16ta	-	NxC

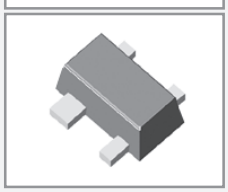
SECTION 3
4-pin case SMD semiconductor components









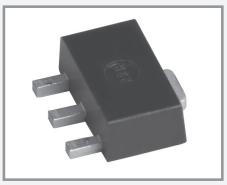


SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
-	ELM7548CCB	Vdet-IC	SC-82AB	5ca	4.8V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
-	ELM7548NCB	Vdet-IC	SC-82AB	5ca	4.8V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
#	ELM7541CCB	Vdet-IC	SC-82AB	5ca	4.1V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
#	ELM7541NCB	Vdet-IC	SC-82AB	5ca	4.1V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
%	ELM7543CCB	Vdet-IC	SC-82AB	5ca	4.3V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
%	ELM7543NCB	Vdet-IC	SC-82AB	5ca	4.3V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
*	ELM7513CCB	Vdet-IC	SC-82AB	5ca	1.3V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
*	ELM7513NCB	Vdet-IC	SC-82AB	5ca	1.3V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
/	ELM7554CCB	Vdet-IC	SC-82AB	5ca	5.4V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
/	ELM7554NCB	Vdet-IC	SC-82AB	5ca	5.4V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
?	ELM7551CCB	Vdet-IC	SC-82AB	5ca	5.1V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
?	ELM7551NCB	Vdet-IC	SC-82AB	5ca	5.1V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
+	ELM7547CCB	Vdet-IC	SC-82AB	5ca	4.7V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
+	ELM7547NCB	Vdet-IC	SC-82AB	5ca	4.7V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
<	ELM7553CCB	Vdet-IC	SC-82AB	5ca	5.3V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
<	ELM7553NCB	Vdet-IC	SC-82AB	5ca	5.3V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
=	ELM7544CCB	Vdet-IC	SC-82AB	5ca	4.4V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
=	ELM7544NCB	Vdet-IC	SC-82AB	5ca	4.4V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
>	ELM7549CCB	Vdet-IC	SC-82AB	5ca	4.9V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
>	ELM7549NCB	Vdet-IC	SC-82AB	5ca	4.9V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
÷	ELM7517CCB	Vdet-IC	SC-82AB	5ca	1.7V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
÷	ELM7517NCB	Vdet-IC	SC-82AB	5ca	1.7V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
▪	ELM7546CCB	Vdet-IC	SC-82AB	5ca	4.6V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
▪	ELM7546NCB	Vdet-IC	SC-82AB	5ca	4.6V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
¥	ELM7552CCB	Vdet-IC	SC-82AB	5ca	5.2V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
¥	ELM7552NCB	Vdet-IC	SC-82AB	5ca	5.2V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
0	ELM7509CCB	Vdet-IC	SC-82AB	5ca	0.9V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
0	ELM7509NCB	Vdet-IC	SC-82AB	5ca	0.9V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
00	AP8822C-40GI	Vdet-IC	SC-82	5g	4.0V±2%, -Reset PPO, Rdt=200ms, H-free	D11d	-	26vdl	VD7	Anw
00	AP8822C-40GS	Vdet-IC	SC-82S	5g	4.0V±2%, -Reset PPO, Rdt=200ms, H-free	D11d	-	90vdl	VD7	Anw
00	AP8822C-40PI	Vdet-IC	SC-82	5g	4.0V±2%, -Reset PPO, Rdt=200ms	D11	-	26vdl	VD7	Anw
00	AP8822C-40PS	Vdet-IC	SC-82S	5g	4.0V±2%, -Reset PPO, Rdt=200ms	D11	-	90vdl	VD7	Anw
00	EC95810C40C7I	Vdet-IC	SC-82-4L	5p	4.0V±2%, -Reset PPO, Rdt=200ms	D18a	24	26vdl	VD7	Ecm
00	EC95810C40C7S	Vdet-IC	SC-82-4L	5p	4.0V±2%, -Reset PPO, Rdt=200ms	D18b	24	90vdl	VD7	Ecm
00	IXD5127N55ANR	Vdet-IC	SSOT-24	5k	5.5V±0.8%, -Reset ODO, -MR, Rdt=50ms	D02	05	26cr	VD4	Ixs
00	XC6127N55ANR	Vdet-IC	SSOT-24	5k	5.5V±0.8%, -Reset ODO, -MR, Rdt=50ms	D02	05	26cr	VD4	Tor
00	XC6129C55ANR-G	Vdet-IC	SSOT-24	5a	5.5V±0.8%, -Reset PPO, Releasy Delay	D16	05	26ra	VD3a	Tor
00	XC6129N55ANR-G	Vdet-IC	SSOT-24	5a	5.5V±0.8%, -Reset ODO, Releasy Delay	D17	05	26ra	VD1a	Tor
00	XC6221C081NR	LVR-IC	SSOT-24	5m	LDO, 0.8V±20mV, 200mA, +CE, PDR	-	05	26vn	VR4	Tor
00	XC6225A12ANR-G	LVR-IC	SSOT-24	5a	LDO, 1.25V±30mV, 30mA, +CE	-	05	26vn	VR4	Tor
01	AP8822C-41GI	Vdet-IC	SC-82	5g	4.1V±2%, -Reset PPO, Rdt=200ms, H-free	D11d	-	26vdl	VD7	Anw
01	AP8822C-41GS	Vdet-IC	SC-82S	5g	4.1V±2%, -Reset PPO, Rdt=200ms, H-free	D11d	-	90vdl	VD7	Anw
01	AP8822C-41PI	Vdet-IC	SC-82	5g	4.1V±2%, -Reset PPO, Rdt=200ms	D11	-	26vdl	VD7	Anw
01	AP8822C-41PS	Vdet-IC	SC-82S	5g	4.1V±2%, -Reset PPO, Rdt=200ms	D11	-	90vdl	VD7	Anw
01	EC95810C41C7I	Vdet-IC	SC-82-4L	5p	4.1V±2%, -Reset PPO, Rdt=200ms	D18a	24	26vdl	VD7	Ecm
01	EC95810C41C7S	Vdet-IC	SC-82-4L	5p	4.1V±2%, -Reset PPO, Rdt=200ms	D18b	24	90vdl	VD7	Ecm
01	MRF9011	Si-npn	SOT-143	5c	UHF, 25V, 30mA, 300mW, B=30..200, 3.8GHz	-	-	24tc	-	Mot
01	XC6221C091NR	LVR-IC	SSOT-24	5m	LDO, 0.9V±20mV, 200mA, +CE, PDR	-	05	26vn	VR4	Tor
01	XC6225A132NR-G	LVR-IC	SSOT-24	5a	LDO, 1.3V±30mV, 30mA, +CE	-	05	26vn	VR4	Tor
02	AP8822C-42GI	Vdet-IC	SC-82	5g	4.2V±2%, -Reset PPO, Rdt=200ms, H-free	D11d	-	26vdl	VD7	Anw
02	AP8822C-42GS	Vdet-IC	SC-82S	5g	4.2V±2%, -Reset PPO, Rdt=200ms, H-free	D11d	-	90vdl	VD7	Anw
02	AP8822C-42PI	Vdet-IC	SC-82	5g	4.2V±2%, -Reset PPO, Rdt=200ms	D11	-	26vdl	VD7	Anw
02	AP8822C-42PS	Vdet-IC	SC-82S	5g	4.2V±2%, -Reset PPO, Rdt=200ms	D11	-	90vdl	VD7	Anw
02	EC95810C42C7I	Vdet-IC	SC-82-4L	5p	4.2V±2%, -Reset PPO, Rdt=200ms	D18a	24	26vdl	VD7	Ecm
02	EC95810C42C7S	Vdet-IC	SC-82-4L	5p	4.2V±2%, -Reset PPO, Rdt=200ms	D18b	24	90vdl	VD7	Ecm
02	MRF5711	Si-npn	SOT-143	5c	UHF, 20V, 80mA, 580mW, B=50..300, 8GHz	-	-	24tc	-	Mot
02	XC6221C101NR	LVR-IC	SSOT-24	5m	LDO, 1.0V±20mV, 200mA, +CE, PDR	-	05	26vn	VR4	Tor
02	XC6225A13ANR-G	LVR-IC	SSOT-24	5a	LDO, 1.35V±30mV, 30mA, +CE	-	05	26vn	VR4	Tor
03	AP8822C-43GI	Vdet-IC	SC-82	5g	4.3V±2%, -Reset PPO, Rdt=200ms, H-free	D11d	-	26vdl	VD7	Anw
03	AP8822C-43GS	Vdet-IC	SC-82S	5g	4.3V±2%, -Reset PPO, Rdt=200ms, H-free	D11d	-	90vdl	VD7	Anw
03	AP8822C-43PI	Vdet-IC	SC-82	5g	4.3V±2%, -Reset PPO, Rdt=200ms	D11	-	26vdl	VD7	Anw
03	AP8822C-43PS	Vdet-IC	SC-82S	5g	4.3V±2%, -Reset PPO, Rdt=200ms	D11	-	90vdl	VD7	Anw
03	EC95810C43C7I	Vdet-IC	SC-82-4L	5p	4.3V±2%, -Reset PPO, Rdt=200ms	D18a	24	26vdl	VD7	Ecm
03	EC95810C43C7S	Vdet-IC	SC-82-4L	5p	4.3V±2%, -Reset PPO, Rdt=200ms	D18b	24	90vdl	VD7	Ecm
03	VAM-3	MMIC	SOT-143	5c	RF amplifier, DC..2GHz, 7.5dB (50 Ω)	-	-	24aa	A1	Mc
03	XC6221C111NR	LVR-IC	SSOT-24	5m	LDO, 1.1V±20mV, 200mA, +CE, PDR	-	05	26vn	VR4	Tor
03	XC6225A142NR-G	LVR-IC	SSOT-24	5a	LDO, 1.4V±30mV, 30mA, +CE	-	05	26vn	VR4	Tor
04	AP8822C-44GI	Vdet-IC	SC-82	5g	4.4V±2%, -Reset PPO, Rdt=200ms, H-free	D11d	-	26vdl	VD7	Anw
04	AP8822C-44GS	Vdet-IC	SC-82S	5g	4.4V±2%, -Reset PPO, Rdt=200ms, H-free	D11d	-	90vdl	VD7	Anw
04	AP8822C-44PI	Vdet-IC	SC-82	5g	4.4V±2%, -Reset PPO, Rdt=200ms	D11	-	26vdl	VD7	Anw

SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
YS	BU4225F	Vdet-IC	SOP-4	5n	2.5V±1%, -Reset ODO	-	-	23vdf	VD1	Rhm
YS	XC6223H33BNR-G	LVR-IC	SSOT-24	5a	LDO, 3.35V±1%, 300mA, +CE, CL, PDR, ICP	-	05	26vn	VR4	Tor
YS	XC6501D38ANR-G	LVR-IC	SSOT-24	5a	LDO, 3.85V±1%, 200mA, +CE, CL, PDR	-	05	26vn	VR4	Tor
YS-	2SC4993	Si-npn	MPAK-4	5b	VHF/UHF, 15V, 20mA, 150mW, B=50..250, 10.5GHz	-	-	26tu	-	Ren
YS-	2SC4994	Si-npn	CMPAK-4	5b	VHF/UHF, 15V, 20mA, 100mW, B=50..250, 10.5GHz	-	-	26tu	-	Ren
YT	BU4226F	Vdet-IC	SOP-4	5n	2.6V±1%, -Reset ODO	-	-	23vdf	VD1	Rhm
YT	XC6223H34BNR-G	LVR-IC	SSOT-24	5a	LDO, 3.45V±1%, 300mA, +CE, CL, PDR, ICP	-	05	26vn	VR4	Tor
YT	XC6501D391NR-G	LVR-IC	SSOT-24	5a	LDO, 3.9V±1%, 200mA, +CE, CL, PDR	-	05	26vn	VR4	Tor
YU	BU4227F	Vdet-IC	SOP-4	5n	2.7V±1%, -Reset ODO	-	-	23vdf	VD1	Rhm
YU	XC6223H35BNR-G	LVR-IC	SSOT-24	5a	LDO, 3.55V±1%, 300mA, +CE, CL, PDR, ICP	-	05	26vn	VR4	Tor
YU	XC6501D39ANR-G	LVR-IC	SSOT-24	5a	LDO, 3.95V±1%, 200mA, +CE, CL, PDR	-	05	26vn	VR4	Tor
YV	BU4228F	Vdet-IC	SOP-4	5n	2.8V±1%, -Reset ODO	-	-	23vdf	VD1	Rhm
YV	XC6223H36BNR-G	LVR-IC	SSOT-24	5a	LDO, 3.65V±1%, 300mA, +CE, CL, PDR, ICP	-	05	26vn	VR4	Tor
YV	XC6501D401NR-G	LVR-IC	SSOT-24	5a	LDO, 4.0V±1%, 200mA, +CE, CL, PDR	-	05	26vn	VR4	Tor
YW	BU4229F	Vdet-IC	SOP-4	5n	2.9V±1%, -Reset ODO	-	-	23vdf	VD1	Rhm
YX	BU4230F	Vdet-IC	SOP-4	5n	3.0V±1%, -Reset ODO	-	-	23vdf	VD1	Rhm
YX	XC6223H37BNR-G	LVR-IC	SSOT-24	5a	LDO, 3.75V±1%, 300mA, +CE, CL, PDR, ICP	-	05	26vn	VR4	Tor
YX	XC6501D40ANR-G	LVR-IC	SSOT-24	5a	LDO, 4.05V±1%, 200mA, +CE, CL, PDR	-	05	26vn	VR4	Tor
YY	BU4231F	Vdet-IC	SOP-4	5n	3.1V±1%, -Reset ODO	-	-	23vdf	VD1	Rhm
YY	XC6223H38BNR-G	LVR-IC	SSOT-24	5a	LDO, 3.85V±1%, 300mA, +CE, CL, PDR, ICP	-	05	26vn	VR4	Tor
YY	XC6501D411NR-G	LVR-IC	SSOT-24	5a	LDO, 4.1V±1%, 200mA, +CE, CL, PDR	-	05	26vn	VR4	Tor
YY-	2SK2113	HEMT	CMPAK-4	5b	GaAs, LN, UHF, 3.5V, 100mW, Idss=12..60mA, Up<2,5V	-	-	25f3	-	Hit
YZ	BU4232F	Vdet-IC	SOP-4	5n	3.2V±1%, -Reset ODO	-	-	23vdf	VD1	Rhm
YZ	XC6223H39BNR-G	LVR-IC	SSOT-24	5a	LDO, 3.95V±1%, 300mA, +CE, CL, PDR, ICP	-	05	26vn	VR4	Tor
YZ	XC6501D41ANR-G	LVR-IC	SSOT-24	5a	LDO, 4.15V±1%, 200mA, +CE, CL, PDR	-	05	26vn	VR4	Tor
Z	ELM7515CCB	Vdet-IC	SC-82AB	5ca	1.5V±2%, +Reset PPO	D09	23	26vdl	VD7	Elm
Z	ELM7515NCB	Vdet-IC	SC-82AB	5ca	1.5V±2%, +Reset ODO	D09	06	26vdl	VD6	Elm
Z0	R3111Q601C	Vdet-IC	SC-82AB	5m	6.0V±2%, -Reset PPO	-	-	26vdl	VD7	Ric
Z0	XC6224A20BNR	LVR-IC	SSOT-24	5a	LDO, 2.05V±1.5%, 150mA, +CE	-	05	26vn	VR4	Tor
Z0	XC6225B32ANR-G	LVR-IC	SSOT-24	5a	LDO, 3.25V±2%, 30mA, +CE, CL	-	05	26vn	VR4	Tor
Z1	XC6224A21BNR	LVR-IC	SSOT-24	5a	LDO, 2.15V±1.5%, 150mA, +CE	-	05	26vn	VR4	Tor
Z1	XC6225B332NR-G	LVR-IC	SSOT-24	5a	LDO, 3.3V±2%, 30mA, +CE, CL	-	05	26vn	VR4	Tor
Z2	XC6224A22BNR	LVR-IC	SSOT-24	5a	LDO, 2.25V±1.5%, 150mA, +CE	-	05	26vn	VR4	Tor
Z2	XC6225B33ANR-G	LVR-IC	SSOT-24	5a	LDO, 3.35V±2%, 30mA, +CE, CL	-	05	26vn	VR4	Tor
Z3	XC6224A23BNR	LVR-IC	SSOT-24	5a	LDO, 2.25V±1.5%, 150mA, +CE	-	05	26vn	VR4	Tor
Z3	XC6225B342NR-G	LVR-IC	SSOT-24	5a	LDO, 3.4V±2%, 30mA, +CE, CL	-	05	26vn	VR4	Tor
Z4	XC6224A24BNR	LVR-IC	SSOT-24	5a	LDO, 2.45V±1.5%, 150mA, +CE	-	05	26vn	VR4	Tor
Z4	XC6225B34ANR-G	LVR-IC	SSOT-24	5a	LDO, 3.45V±2%, 30mA, +CE, CL	-	05	26vn	VR4	Tor
Z5	XC6224A25BNR	LVR-IC	SSOT-24	5a	LDO, 2.55V±1.5%, 150mA, +CE	-	05	26vn	VR4	Tor
Z5	XC6225B352NR-G	LVR-IC	SSOT-24	5a	LDO, 3.5V±2%, 30mA, +CE, CL	-	05	26vn	VR4	Tor
Z6	XC6224A26BNR	LVR-IC	SSOT-24	5a	LDO, 2.65V±1.5%, 150mA, +CE	-	05	26vn	VR4	Tor
Z6	XC6225B35ANR-G	LVR-IC	SSOT-24	5a	LDO, 3.55V±2%, 30mA, +CE, CL	-	05	26vn	VR4	Tor
Z7	XC6224A27BNR	LVR-IC	SSOT-24	5a	LDO, 2.75V±1.5%, 150mA, +CE	-	05	26vn	VR4	Tor
Z7	XC6225B362NR-G	LVR-IC	SSOT-24	5a	LDO, 3.6V±2%, 30mA, +CE, CL	-	05	26vn	VR4	Tor
Z8	XC6224A28BNR	LVR-IC	SSOT-24	5a	LDO, 2.85V±1.5%, 150mA, +CE	-	05	26vn	VR4	Tor
Z8	XC6225B36ANR-G	LVR-IC	SSOT-24	5a	LDO, 3.65V±2%, 30mA, +CE, CL	-	05	26vn	VR4	Tor
Z9	XC6224A29BNR	LVR-IC	SSOT-24	5a	LDO, 2.95V±1.5%, 150mA, +CE	-	05	26vn	VR4	Tor
Z9	XC6225B372NR-G	LVR-IC	SSOT-24	5a	LDO, 3.7V±2%, 30mA, +CE, CL	-	05	26vn	VR4	Tor
ZA	BU4233F	Vdet-IC	SOP-4	5n	3.3V±1%, -Reset ODO	-	-	23vdf	VD1	Rhm
ZA	XC6501D421NR-G	LVR-IC	SSOT-24	5a	LDO, 4.2V±1%, 200mA, +CE, CL, PDR	-	05	26vn	VR4	Tor
ZA-	BFU668F	Si-npn	SOT-343F	5h	Ku-band DBS, 16V, 40mA, 200mW, B=90..200, 20GHz	-	-	26t1	-	NxH
ZAp	BFU668F	Si-npn	SOT-343F	5h	Ku-band DBS, 16V, 40mA, 200mW, B=90..200, 20GHz	-	-	26t1	-	NxH
ZAt	BFU668F	Si-npn	SOT-343F	5h	Ku-band DBS, 16V, 40mA, 200mW, B=90..200, 20GHz	-	-	26t1	-	NxM
ZAw	BFU668F	Si-npn	SOT-343F	5h	Ku-band DBS, 16V, 40mA, 200mW, B=90..200, 20GHz	-	-	26t1	-	NxC
ZB	BU4234F	Vdet-IC	SOP-4	5n	3.4V±1%, -Reset ODO	-	-	23vdf	VD1	Rhm
ZB	XC6501D42ANR-G	LVR-IC	SSOT-24	5a	LDO, 4.25V±1%, 200mA, +CE, CL, PDR	-	05	26vn	VR4	Tor
ZB-	BFU768F	SiGe-npn	SOT-343F	5h	WLAN/WiMAX, 10V, 70mA, 220mW, B=155..505, 5.6GHz	-	-	26t1	-	NxH
ZBp	BFU768F	SiGe-npn	SOT-343F	5h	WLAN/WiMAX, 10V, 70mA, 220mW, B=155..505, 5.6GHz	-	-	26t1	-	NxH
ZBt	BFU768F	SiGe-npn	SOT-343F	5h	WLAN/WiMAX, 10V, 70mA, 220mW, B=155..505, 5.6GHz	-	-	26t1	-	NxM
ZBw	BFU768F	SiGe-npn	SOT-343F	5h	WLAN/WiMAX, 10V, 70mA, 220mW, B=155..505, 5.6GHz	-		26t1	-	NxC
ZC	BU4235F	Vdet-IC	SOP-4	5n	3.5V±1%, -Reset ODO	-	-	23vdf	VD1	Rhm
ZC	XC6501D431NR-G	LVR-IC	SSOT-24	5a	LDO, 4.3V±1%, 200mA, +CE, CL, PDR	-	05	26vn	VR4	Tor
ZC-	2SC5078	Si-npn	MPAK-4	5b	VHF/UHF, LN, 15V, 20mA, 150mW, B=50..160, 12GHz	-	-	26tu	-	Ren
ZC-	2SC5079	Si-npn	CMPAK-4	5b	VHF/UHF, LN, 15V, 20mA, 100mW, B=50..160, 12GHz	-	-	26tu	-	Ren
ZD	BU4236F	Vdet-IC	SOP-4	5n	3.6V±1%, -Reset ODO	-	-	23vdf	VD1	Rhm
ZD	XC6223H301NR-G	LVR-IC	SSOT-24	5a	LDO, 3.0V±1%, 300mA, +CE, CL, PDR, ICP	-	05	26vn	VR4	Tor
ZD	XC6501D43ANR-G	LVR-IC	SSOT-24	5a	LDO, 4.35V±1%, 200mA, +CE, CL, PDR	-	05	26vn	VR4	Tor
ZD-	2SC5080	Si-npn	MPAK-4	5b	VHF/UHF, LN, 15V, 50mA, 150mW, B=50..160, 13.5GHz	-	-	26tu	-	Ren
ZD-	2SC5081	Si-npn	CMPAK-4	5b	VHF/UHF, LN, 15V, 50mA, 100mW, B=50..160, 13.5GHz	-	-	26tu	-	Ren
ZE	BU4237F	Vdet-IC	SOP-4	5n	3.7V±1%, -Reset ODO	-	-	23vdf	VD1	Rhm

SECTION 4

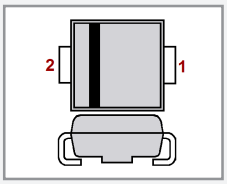
SOT-89 case SMD semiconductor components

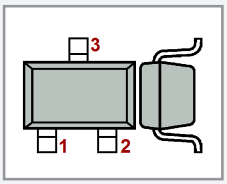


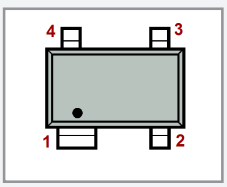
SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
.AWE0	WL9004P3-31	LVR-IC	SOT-89-3	4g	LDO, 3.1V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWE1	WL9004P3-32	LVR-IC	SOT-89-3	4g	LDO, 3.2V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWE2	WL9004P3-33	LVR-IC	SOT-89-3	4g	LDO, 3.3V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWE3	WL9004P3-34	LVR-IC	SOT-89-3	4g	LDO, 3.4V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWE4	WL9004P3-35	LVR-IC	SOT-89-3	4g	LDO, 3.5V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWE5	WL9004P3-36	LVR-IC	SOT-89-3	4g	LDO, 3.6V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWE6	WL9004P3-37	LVR-IC	SOT-89-3	4g	LDO, 3.7V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWE7	WL9004P3-38	LVR-IC	SOT-89-3	4g	LDO, 3.8V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWE8	WL9004P3-39	LVR-IC	SOT-89-3	4g	LDO, 3.9V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWE9	WL9004P3-40	LVR-IC	SOT-89-3	4g	LDO, 4.0V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWEA	WL9004P3-41	LVR-IC	SOT-89-3	4g	LDO, 4.1V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWEB	WL9004P3-42	LVR-IC	SOT-89-3	4g	LDO, 4.2V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWEC	WL9004P3-43	LVR-IC	SOT-89-3	4g	LDO, 4.3V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWED	WL9004P3-44	LVR-IC	SOT-89-3	4g	LDO, 4.4V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWEE	WL9004P3-45	LVR-IC	SOT-89-3	4g	LDO, 4.5V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWEG	WL9004P3-46	LVR-IC	SOT-89-3	4g	LDO, 4.6V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWEH	WL9004P3-47	LVR-IC	SOT-89-3	4g	LDO, 4.7V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWEK	WL9004P3-48	LVR-IC	SOT-89-3	4g	LDO, 4.8V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWEL	WL9004P3-49	LVR-IC	SOT-89-3	4g	LDO, 4.9V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWEM	WL9004P3-50	LVR-IC	SOT-89-3	4g	LDO, 5.0V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWV9	WL9004P3-10	LVR-IC	SOT-89-3	4g	LDO, 1.0V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVA	WL9004P3-11	LVR-IC	SOT-89-3	4g	LDO, 1.1V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVB	WL9004P3-12	LVR-IC	SOT-89-3	4g	LDO, 1.2V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVC	WL9004P3-13	LVR-IC	SOT-89-3	4g	LDO, 1.3V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVD	WL9004P3-14	LVR-IC	SOT-89-3	4g	LDO, 1.4V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVE	WL9004P3-15	LVR-IC	SOT-89-3	4g	LDO, 1.5V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVF	WL9004P3-16	LVR-IC	SOT-89-3	4g	LDO, 1.6V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVH	WL9004P3-17	LVR-IC	SOT-89-3	4g	LDO, 1.7V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVK	WL9004P3-18	LVR-IC	SOT-89-3	4g	LDO, 1.8V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVL	WL9004P3-19	LVR-IC	SOT-89-3	4g	LDO, 1.9V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVM	WL9004P3-20	LVR-IC	SOT-89-3	4g	LDO, 2.0V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVN	WL9004P3-21	LVR-IC	SOT-89-3	4g	LDO, 2.1V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVP	WL9004P3-22	LVR-IC	SOT-89-3	4g	LDO, 2.2V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVR	WL9004P3-23	LVR-IC	SOT-89-3	4g	LDO, 2.3V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVS	WL9004P3-24	LVR-IC	SOT-89-3	4g	LDO, 2.4V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVT	WL9004P3-25	LVR-IC	SOT-89-3	4g	LDO, 2.5V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVU	WL9004P3-26	LVR-IC	SOT-89-3	4g	LDO, 2.6V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVV	WL9004P3-27	LVR-IC	SOT-89-3	4g	LDO, 2.7V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVX	WL9004P3-28	LVR-IC	SOT-89-3	4g	LDO, 2.8V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVY	WL9004P3-29	LVR-IC	SOT-89-3	4g	LDO, 2.9V±2%, 500mA	C09b	-	20vl	VR1	Wpm
.AWVZ	WL9004P3-30	LVR-IC	SOT-89-3	4g	LDO, 3.0V±2%, 500mA	C09b	-	20vl	VR1	Wpm
000	ELM85101A	LVR-IC	SOT-89	4c	LDO, 1.0V±2%, 800mA	-	-	20vl	VR1	Elm
008	ELM85081A	LVR-IC	SOT-89	4c	LDO, 0.8V±2%, 800mA	-	-	20vl	VR1	Elm
009	ELM85091A	LVR-IC	SOT-89	4c	LDO, 0.9±2%, 800mA	-	-	20vl	VR1	Elm
00A	ELM85111A	LVR-IC	SOT-89	4c	LDO, 1.1V±2%, 800mA	-	-	20vl	VR1	Elm
00B	ELM85121A	LVR-IC	SOT-89	4c	LDO, 1.2V±2%, 800mA	-	-	20vl	VR1	Elm
00B	ELM85121A	LVR-IC	SOT-89	4ca	LDO, 1.2V±2%, 600mA	-	20	20vl	VR1	Elm
00C	ELM85131A	LVR-IC	SOT-89	4c	LDO, 1.3V±2%, 800mA	-	-	20vl	VR1	Elm
00C	ELM85131A	LVR-IC	SOT-89	4ca	LDO, 1.3V±2%, 600mA	-	20	20vl	VR1	Elm
00D	ELM85141A	LVR-IC	SOT-89	4c	LDO, 1.4V±2%, 800mA	-	-	20vl	VR1	Elm
00D	ELM85141A	LVR-IC	SOT-89	4ca	LDO, 1.4V±2%, 600mA	-	20	20vl	VR1	Elm
00E	ELM85151A	LVR-IC	SOT-89	4c	LDO, 1.5V±2%, 800mA	-	-	20vl	VR1	Elm
00E	ELM85151A	LVR-IC	SOT-89	4ca	LDO, 1.5V±2%, 600mA	-	20	20vl	VR1	Elm
00E	ELM85261A	LVR-IC	SOT-89	4ca	LDO, 2.6V±2%, 600mA	-	20	20vl	VR1	Elm
00F	ELM85161A	LVR-IC	SOT-89	4c	LDO, 1.6V±2%, 800mA	-	-	20vl	VR1	Elm
00F	ELM85161A	LVR-IC	SOT-89	4ca	LDO, 1.6V±2%, 600mA	-	20	20vl	VR1	Elm
00G	ELM85171A	LVR-IC	SOT-89	4c	LDO, 1.7V±2%, 800mA	-	-	20vl	VR1	Elm
00G	ELM85171A	LVR-IC	SOT-89	4ca	LDO, 1.7V±2%, 600mA	-	20	20vl	VR1	Elm
00H	ELM85181A	LVR-IC	SOT-89	4c	LDO, 1.8V±2%, 800mA	-	-	20vl	VR1	Elm
00H	ELM85181A	LVR-IC	SOT-89	4ca	LDO, 1.8V±2%, 600mA	-	20	20vl	VR1	Elm
00J	ELM85191A	LVR-IC	SOT-89	4c	LDO, 1.9V±2%, 800mA	-	-	20vl	VR1	Elm
00J	ELM85191A	LVR-IC	SOT-89	4ca	LDO, 1.9V±2%, 600mA	-	20	20vl	VR1	Elm
00K	ELM85201A	LVR-IC	SOT-89	4c	LDO, 2.0V±2%, 800mA	-	-	20vl	VR1	Elm
00K	ELM85201A	LVR-IC	SOT-89	4ca	LDO, 2.0V±2%, 600mA	-	20	20vl	VR1	Elm
00L	ELM85211A	LVR-IC	SOT-89	4c	LDO, 2.1V±2%, 800mA	-	-	20vl	VR1	Elm
00L	ELM85211A	LVR-IC	SOT-89	4ca	LDO, 2.1V±2%, 600mA	-	20	20vl	VR1	Elm
00M	ELM85221A	LVR-IC	SOT-89	4c	LDO, 2.2V±2%, 800mA	-	-	20vl	VR1	Elm
00M	ELM85221A	LVR-IC	SOT-89	4ca	LDO, 2.2V±2%, 600mA	-	20	20vl	VR1	Elm
00N	ELM85231A	LVR-IC	SOT-89	4c	LDO, 2.3V±2%, 800mA	-	-	20vl	VR1	Elm
00N	ELM85231A	LVR-IC	SOT-89	4ca	LDO, 2.3V±2%, 600mA	-	20	20vl	VR1	Elm

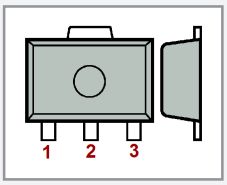
SMD code	Type	Function	Case	Style	Short description	Atr	A.d.	Pin	Sch	Mnf
Z21C	RH5RZ21CA	LVR-IC	SOT-89	4c	LDO, Low noise, 2.1V±2%, 100mA	-	-	20vl	VR1	Ric
Z222A	ML6206P222P	LVR-IC	SOT-89	4g	2.2V±2%, 250mA	-	-	20vl	VR1	Mlc
Z22C	RH5RZ22CA	LVR-IC	SOT-89	4c	LDO, Low noise, 2.2V±2%, 100mA	-	-	20vl	VR1	Ric
Z232A	ML6206P232P	LVR-IC	SOT-89	4g	2.3V±2%, 250mA	-	-	20vl	VR1	Mlc
Z23C	RH5RZ23CA	LVR-IC	SOT-89	4c	LDO, Low noise, 2.3V±2%, 100mA	-	-	20vl	VR1	Ric
Z242A	ML6206P242P	LVR-IC	SOT-89	4g	2.4V±2%, 250mA	-	-	20vl	VR1	Mlc
Z24C	RH5RZ24CA	LVR-IC	SOT-89	4c	LDO, Low noise, 2.4V±2%, 100mA	-	-	20vl	VR1	Ric
Z252A	ML6206P252P	LVR-IC	SOT-89	4g	2.5V±2%, 250mA	-	-	20vl	VR1	Mlc
Z25C	RH5RZ25CA	LVR-IC	SOT-89	4c	LDO, Low noise, 2.5V±2%, 100mA	-	-	20vl	VR1	Ric
Z262A	ML6206P262P	LVR-IC	SOT-89	4g	2.6V±2%, 250mA	-	-	20vl	VR1	Mlc
Z26C	RH5RZ26CA	LVR-IC	SOT-89	4c	LDO, Low noise, 2.6V±2%, 100mA	-	-	20vl	VR1	Ric
Z272A	ML6206P272P	LVR-IC	SOT-89	4g	2.7V±2%, 250mA	-	-	20vl	VR1	Mlc
Z27C	RH5RZ27CA	LVR-IC	SOT-89	4c	LDO, Low noise, 2.7V±2%, 100mA	-	-	20vl	VR1	Ric
Z282A	ML6206P282P	LVR-IC	SOT-89	4g	2.8V±2%, 250mA	-	-	20vl	VR1	Mlc
Z28C	RH5RZ28CA	LVR-IC	SOT-89	4c	LDO, Low noise, 2.8V±2%, 100mA	-	-	20vl	VR1	Ric
Z292A	ML6206P292P	LVR-IC	SOT-89	4g	2.9V±2%, 250mA	-	-	20vl	VR1	Mlc
Z29C	RH5RZ29CA	LVR-IC	SOT-89	4c	LDO, Low noise, 2.9V±2%, 100mA	-	-	20vl	VR1	Ric
Z3	2SK1078	n-MOSFET	SOT-89	4g	LogL, 60V, 800mA, 900mW, <0.55 Ω, 9/55ns	-	-	20fa	nMOS1	Tos
Z3	BZV49-C5V6	Z-diode	SOT-89	4b	5.6V±5%, Izt=5mA, 1W	-	-	20dm	-	Zx
Z302A	ML6206P302P	LVR-IC	SOT-89	4g	3.0V±2%, 250mA	-	-	20vl	VR1	Mlc
Z30C	RH5RZ30CA	LVR-IC	SOT-89	4c	LDO, Low noise, 3.0V±2%, 100mA	-	-	20vl	VR1	Ric
Z312A	ML6206P312P	LVR-IC	SOT-89	4g	3.1V±2%, 250mA	-	-	20vl	VR1	Mlc
Z31C	RH5RZ31CA	LVR-IC	SOT-89	4c	LDO, Low noise, 3.1V±2%, 100mA	-	-	20vl	VR1	Ric
Z322A	ML6206P322P	LVR-IC	SOT-89	4g	3.2V±2%, 250mA	-	-	20vl	VR1	Mlc
Z32C	RH5RZ32CA	LVR-IC	SOT-89	4c	LDO, Low noise, 3.2V±2%, 100mA	-	-	20vl	VR1	Ric
Z332A	ML6206P332P	LVR-IC	SOT-89	4g	3.3V±2%, 250mA	-	-	20vl	VR1	Mlc
Z33C	RH5RZ33CA	LVR-IC	SOT-89	4c	LDO, Low noise, 3.3V±2%, 100mA	-	-	20vl	VR1	Ric
Z342A	ML6206P342P	LVR-IC	SOT-89	4g	3.4V±2%, 250mA	-	-	20vl	VR1	Mlc
Z34C	RH5RZ34CA	LVR-IC	SOT-89	4c	LDO, Low noise, 3.4V±2%, 100mA	-	-	20vl	VR1	Ric
Z352A	ML6206P352P	LVR-IC	SOT-89	4g	3.5V±2%, 250mA	-	-	20vl	VR1	Mlc
Z35C	RH5RZ35CA	LVR-IC	SOT-89	4c	LDO, Low noise, 3.5V±2%, 100mA	-	-	20vl	VR1	Ric
Z362A	ML6206P362P	LVR-IC	SOT-89	4g	3.6V±2%, 250mA	-	-	20vl	VR1	Mlc
Z36C	RH5RZ36CA	LVR-IC	SOT-89	4c	LDO, Low noise, 3.6V±2%, 100mA	-	-	20vl	VR1	Ric
Z372A	ML6206P372P	LVR-IC	SOT-89	4g	3.7V±2%, 250mA	-	-	20vl	VR1	Mlc
Z37C	RH5RZ37CA	LVR-IC	SOT-89	4c	LDO, Low noise, 3.7V±2%, 100mA	-	-	20vl	VR1	Ric
Z382A	ML6206P382P	LVR-IC	SOT-89	4g	3.8V±2%, 250mA	-	-	20vl	VR1	Mlc
Z38C	RH5RZ38CA	LVR-IC	SOT-89	4c	LDO, Low noise, 3.8V±2%, 100mA	-	-	20vl	VR1	Ric
Z392A	ML6206P392P	LVR-IC	SOT-89	4g	3.9V±2%, 250mA	-	-	20vl	VR1	Mlc
Z39C	RH5RZ39CA	LVR-IC	SOT-89	4c	LDO, Low noise, 3.9V±2%, 100mA	-	-	20vl	VR1	Ric
Z4	2SK1079	n-MOSFET	SOT-89	4g	LogL, 100V, 600mA, 500mW, <0.95 Ω, 9/75ns	-	-	20fa	nMOS1	Tos
Z4	BZV49-C6V2	Z-diode	SOT-89	4b	6.2V±5%, Izt=5mA, 1W	-	-	20dm	-	Zx
Z402A	ML6206P402P	LVR-IC	SOT-89	4g	4.0V±2%, 250mA	-	-	20vl	VR1	Mlc
Z40C	RH5RZ40CA	LVR-IC	SOT-89	4c	LDO, Low noise, 4.0V±2%, 100mA	-	-	20vl	VR1	Ric
Z412A	ML6206P412P2	LVR-IC	SOT-89	4g	4.1V±2%, 250mA	-	-	20vl	VR1	Mlc
Z41C	RH5RZ41CA	LVR-IC	SOT-89	4c	LDO, Low noise, 4.1V±2%, 100mA	-	-	20vl	VR1	Ric
Z422A	ML6206P422P	LVR-IC	SOT-89	4g	4.2V±2%, 250mA	-	-	20vl	VR1	Mlc
Z42C	RH5RZ42CA	LVR-IC	SOT-89	4c	LDO, Low noise, 4.2V±2%, 100mA	-	-	20vl	VR1	Ric
Z432A	ML6206P432P	LVR-IC	SOT-89	4g	4.3V±2%, 250mA	-	-	20vl	VR1	Mlc
Z43C	RH5RZ43CA	LVR-IC	SOT-89	4c	LDO, Low noise, 4.3V±2%, 100mA	-	-	20vl	VR1	Ric
Z442A	ML6206P442P	LVR-IC	SOT-89	4g	4.4V±2%, 250mA	-	-	20vl	VR1	Mlc
Z44C	RH5RZ44CA	LVR-IC	SOT-89	4c	LDO, Low noise, 4.4V±2%, 100mA	-	-	20vl	VR1	Ric
Z452A	ML6206P452P	LVR-IC	SOT-89	4g	4.5V±2%, 250mA	-	-	20vl	VR1	Mlc
Z45C	RH5RZ45CA	LVR-IC	SOT-89	4c	LDO, Low noise, 4.5V±2%, 100mA	-	-	20vl	VR1	Ric
Z462A	ML6206P462P	LVR-IC	SOT-89	4g	4.6V±2%, 250mA	-	-	20vl	VR1	Mlc
Z46C	RH5RZ46CA	LVR-IC	SOT-89	4c	LDO, Low noise, 4.6V±2%, 100mA	-	-	20vl	VR1	Ric
Z472A	ML6206P472P	LVR-IC	SOT-89	4g	4.7V±2%, 250mA	-	-	20vl	VR1	Mlc
Z47C	RH5RZ47CA	LVR-IC	SOT-89	4c	LDO, Low noise, 4.7V±2%, 100mA	-	-	20vl	VR1	Ric
Z482A	ML6206P482P	LVR-IC	SOT-89	4g	4.8V±2%, 250mA	-	-	20vl	VR1	Mlc
Z48C	RH5RZ48CA	LVR-IC	SOT-89	4c	LDO, Low noise, 4.8V±2%, 100mA	-	-	20vl	VR1	Ric
Z492A	ML6206P492P	LVR-IC	SOT-89	4g	4.9V±2%, 250mA	-	-	20vl	VR1	Mlc
Z49C	RH5RZ49CA	LVR-IC	SOT-89	4c	LDO, Low noise, 4.9V±2%, 100mA	-	-	20vl	VR1	Ric
Z5	2SK1717	n-MOSFET	SOT-89	4g	V-MOS, LogL, 60V, 2A, 500mW, 0.37 Ω(10V), 60/135ns	-	-	20fi	-	Tos
Z5	BZV49-C6V8	Z-diode	SOT-89	4b	6.8V±5%, Izt=5mA, 1W	-	-	20dm	-	Zx
Z502A	ML6206P502P	LVR-IC	SOT-89	4g	5.0V±2%, 250mA	-	-	20vl	VR1	Mlc
Z50C	RH5RZ50CA	LVR-IC	SOT-89	4c	LDO, Low noise, 5.0V±2%, 100mA	-	-	20vl	VR1	Ric
Z51C	RH5RZ51CA	LVR-IC	SOT-89	4c	LDO, Low noise, 5.1V±2%, 100mA	-	-	20vl	VR1	Ric
Z52C	RH5RZ52CA	LVR-IC	SOT-89	4c	LDO, Low noise, 5.2V±2%, 100mA	-	-	20vl	VR1	Ric
Z53C	RH5RZ53CA	LVR-IC	SOT-89	4c	LDO, Low noise, 5.3V±2%, 100mA	-	-	20vl	VR1	Ric
Z54C	RH5RZ54CA	LVR-IC	SOT-89	4c	LDO, Low noise, 5.4V±2%, 100mA	-	-	20vl	VR1	Ric
Z55C	RH5RZ55CA	LVR-IC	SOT-89	4c	LDO, Low noise, 5.5V±2%, 100mA	-	-	20vl	VR1	Ric

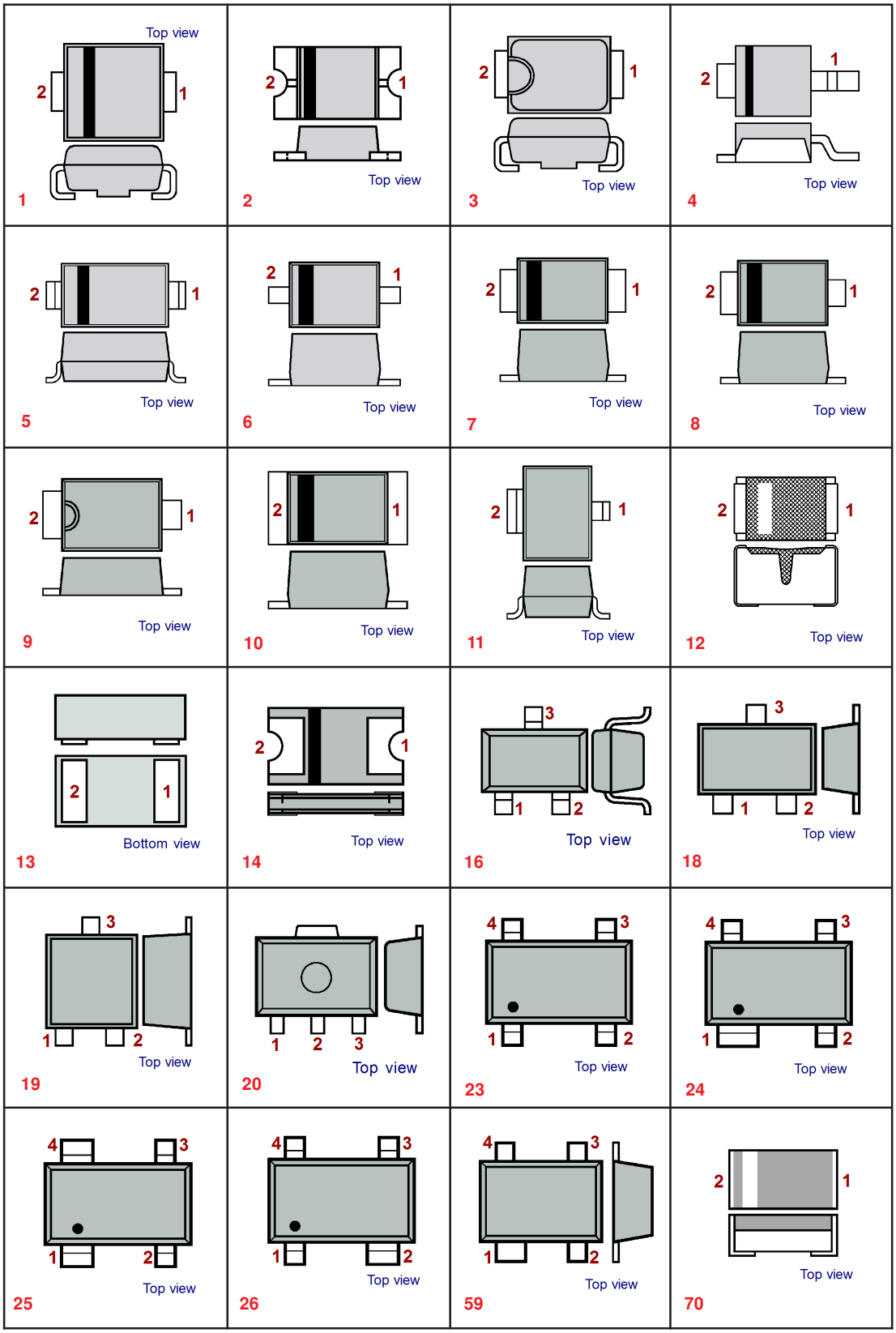
SECTION 5
Conventional case drawings. Pin assignment







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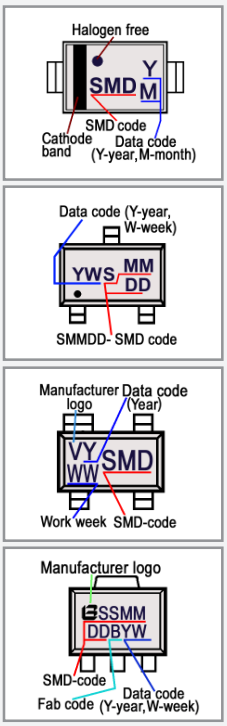
Top view

SECTION 6

Pinout

	PIN 1	PIN2	PIN3	PIN4	PIN5	PIN6	PIN7	PIN8
a0	GND	Output	Vcc	+Input	-Input	-	-	-
a1	GND	GND	RF input	GND	GND	RFout/Vcc	-	-
a2	N/C	Anode	Cathode	N/C	Adjust	-	-	-
a3	CE	GND	Vinput	Voutput	Adjust	N/C	-	-
a4	CE	Vinput	Voutput	Switch	GND	Feedback	-	-
a5	No data.	See dsheet.	See sch	-	-	-	-	-
a7	CE	GND	SSC	Vinput	Voutput	-	-	-
a8	Test	GND	Tdet	N/C	Vcc	-	-	-
a9	Tdet	GND	Test	Vcc	-	-	-	-
aa	RF input	GND	RFout/Vcc	-	-	-	-	-
aa*	A1=CE/MODE	A3=Voutput	B2=Lx	C1=Vinput	C3=GND	-	-	-
ab	RF input	GND	GND	RF output	GND	Vcc	-	-
ab*	A1=CE/MODE	A3=Feedb.	B2=Lx	C1=Vinput	C3=GND	-	-	-
ac	Vcc	GND	RF input	GND	GND	RF output	GND	GND
ac*	A1=CE	A2=Vinput	B1=GND	B2=Voutput	-	-	-	-
ad	Input	GND	Vcc	Output	GND	-	-	-
ad*	A1=CE	A3=Vinput	B2=Lx	C1=Voutput	C3=GND	-	-	-
ae	RF input	CTRL	Vcc	RF output	GND	GND	-	-
ae*	A1=Gate	A2=Source	B1=Drain	B2=Source	-	-	-	-
af	N/C	Vinput	N/C	GND	N/C	Voutput	N/C	N/C
af*	A1=Vinput	A3=Vout	B2=GND	C1=CE	C3=Pow. God	-	-	-
ag	Contact	Contact	N/C	-	-	-	-	-
ah	Emitter	Emitter	Base	Emitter	Emitter	Collector	-	-
ai	GND	Vcc	RF input	RF output	-	-	-	-
aj	GND	RFout/Vcc	GND	RF input	-	-	-	-
ak	N/C	Cathode	Anode	-	-	-	-	-
am	RFout/Vcc	GND	RF input	CTRL	-	-	-	-
am1	CTRL	RF input	GND	GND	RF output	Vcc	GND	-
am2	RF input	CE	GND	RF out	Vcc	-	-	-
an	Output	GND	Input	Vcc	GND	-	-	-
ao	Cath.(Anode)	N/C	Cath.(Anode)	An.(Cath.)	-	-	-	-
ap	Cathode	N/C	Cathode	Anode	-	-	-	-
aq	Contact	N/C	Contact	-	-	-	-	-
ar	Contact	Contact	-	-	-	-	-	-
as	Emitter	Emitter	N/C	Base	Collector	Collector	Collector	Collector
at	Cathode	Gate	Anode	-	-	-	-	-
au	CE	SS	Voutput	Vinput	GND	Vbias	-	-
av	Vbias	GND	Vinput	Voutput	SS	CE	-	-
aw	CE	Ilim	Voutput	Vinput	GND	Vbias	-	-
ax	Vbias	GND	Vinput	Voutput	Ilim	CE	-	-
ax*	A1=CE1	A2=Vout1	B1=GND	B2=Vinput	C1=CE2	C2=Voutput2	-	-
ay	GND	GND	RF input	Vcc	Enable	RF output	-	-
az	Vinput	N/C	Voutput	N/C	N/C	N/C	GND	CE
b0	IN1	POS	Vin	Vout	CE	GND	IN2	NEG
b1	Terminal	Gate	Terminal	-	-	-	-	-
b2	Cathode	Anode	GND	-	-	-	-	-
b3	Lx	GND	Voutput	N/C	N/C	-	-	-
ba	An./Cath.	An./Cath.	-	-	-	-	-	-
ba*	A1=GND	A2=Vout	B1=CE	B2=Vin	-	-	-	-
bb	Cathode1	Cathode2	Cathode3	Anode3	Anode2	Anode1	-	-
bb*	A1=GND	A2=CE	B1=Voutput	B2=Vinput	-	-	-	-
bc*	A1=Vinput	A2=Voutput	B1=CE	B2=GND	-	-	-	-
bd	Cathode	Cathode	Anode	-	-	-	-	-
bd*	A1=GND	A2=Vcc	B1=Reset	B2=MR	-	-	-	-
be*	A1=CE	A3=Cb	B2=GND	C1=Voutput	C3=Vinput	-	-	-
bg	Cathode1	Cathode2	Anode2	N/C	Anode1	-	-	-
bg*	A1=Voutput	A2=Vinput	B1=Adj	B2=CE	C1=GND	C2=Vbias	-	-
bh	Anode1	Common Cath.		Anode2	Anode3	Anode4	-	- -
bh*	A1=GND	A3=CE	B2=Cb	C1=Voutput	C3=Vinput	-	-	-
bi	Anode	Cathode	Anode	Anode	Cathode	Anode	-	-
bj*	A1=Voutput	A2=Vinput	B2=GND	C1=CE	C2= Vbias	-	-	-
bk*	A1=Voutput	A2=Vinput	B1=GND	B2=CE	-	-	-	-

SECTION 7
SMD-code marking style



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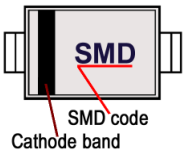

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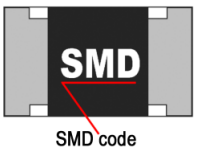

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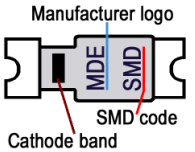

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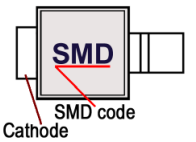

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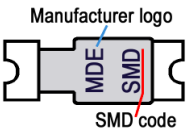

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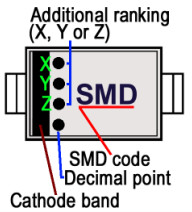

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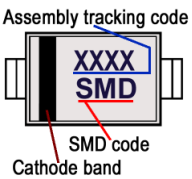

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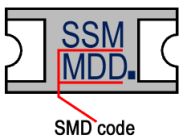

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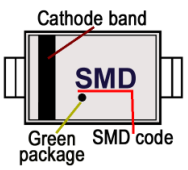

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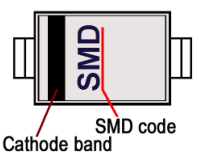

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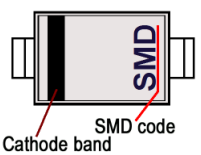

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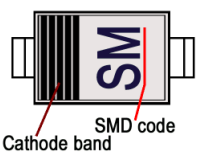

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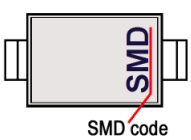

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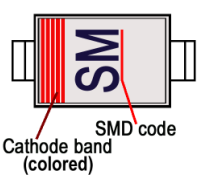

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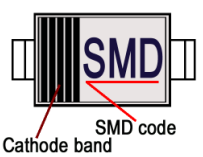

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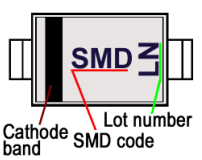

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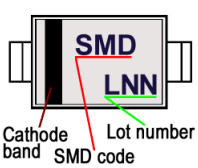

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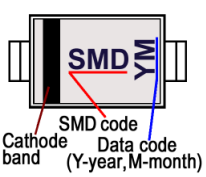

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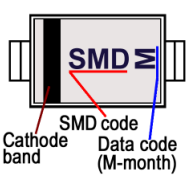

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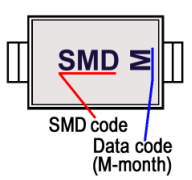

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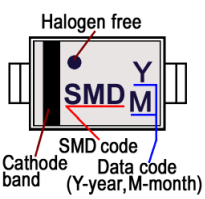

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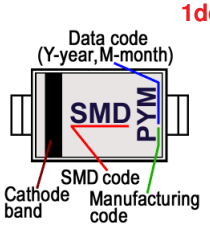

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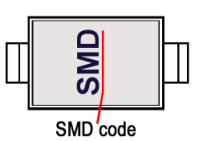

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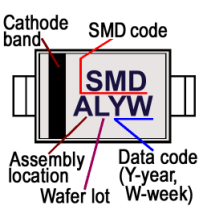

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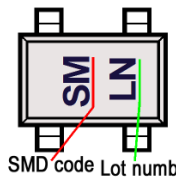

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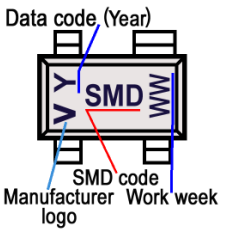

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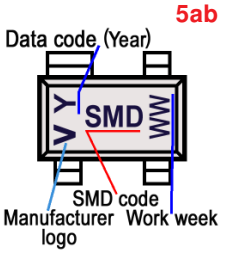

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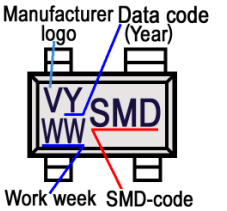

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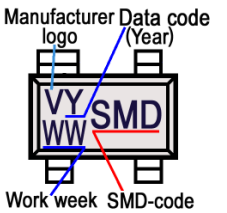

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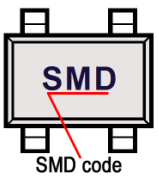

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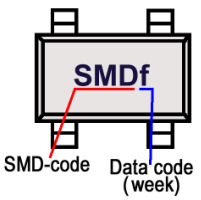

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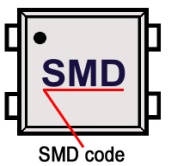

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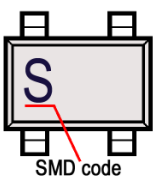

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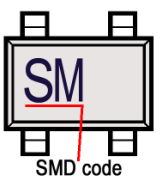

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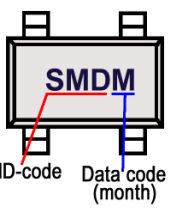

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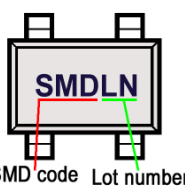

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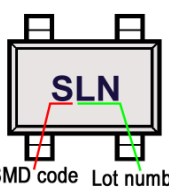

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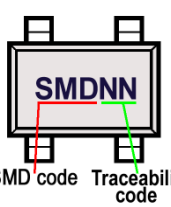

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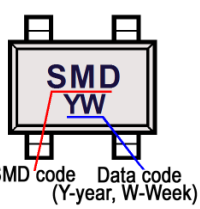

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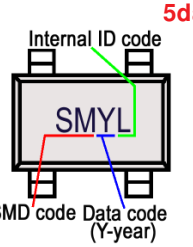

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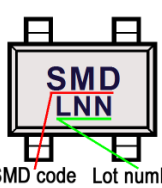

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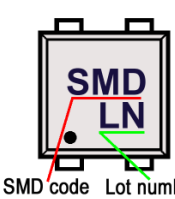

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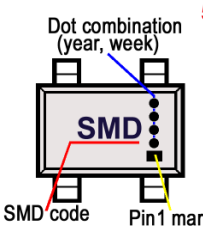

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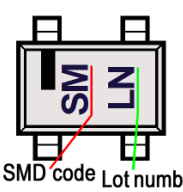

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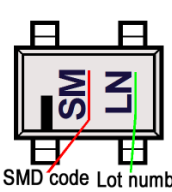

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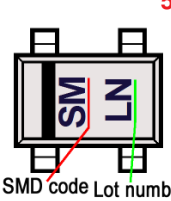

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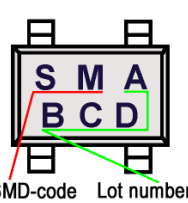

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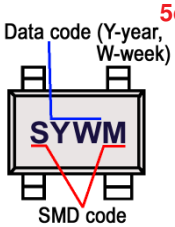
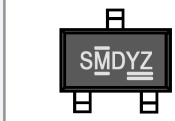
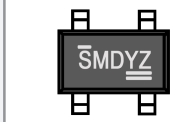
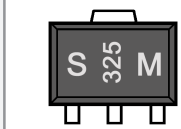


SECTION 8
SMD-code marking attribute







A02a

A02b

A02c

A02d

A02e

A02f

A02g

A02h

A02i

A02j

A02k

A02m

A02n

A03a

A03b

A03c

A03d

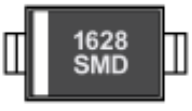
A03e

A03f

A03g

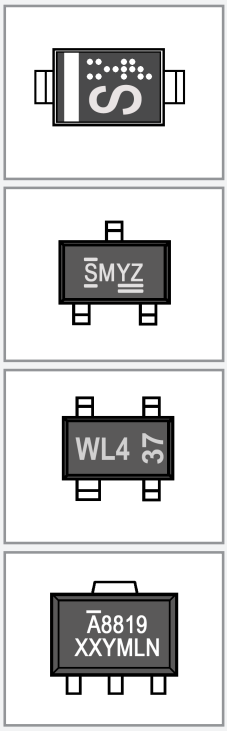
A04a

A04b



A04c

A04d


S
SMYZ
WL4 37
A8819
XXYMLN

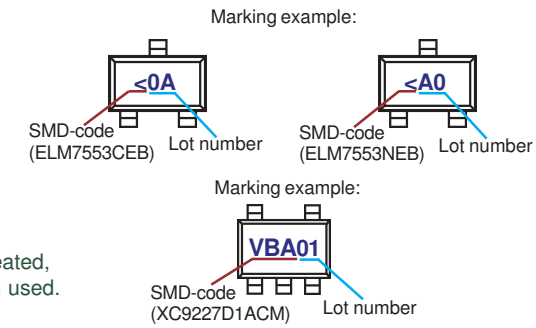
Besides SMD code, the manufacturers can place additional information such as internal production lot number, traceability code, data of production, assembly location etc. The adittional info is an arbitral position and arbitral content (depending of the manufacturer) and can be alphanumeric symbol (symbols) or graphic symbol.

Below we present some additional info.

Lot number.

Manufacturer: Elm (ELM Technology Corporation):
Rules 1 (for ODO voltage detectors)
Symbol 1 - A to Z(I, O, X excepted)
Symbol 2 - 0 to 9
Rules 2 (for PPO voltage detectors)
Symbol 1 - 0 to 9
Symbol 2 - A to Z(I, O, X excepted)

Manufacturer: Tor (Torex Semiconductor LTD):
01~09, 0A~0Z, 11~9Z, A1~A9, AA~AZ, B1~ZZ repeated,
(G, I, J, O, Q, W excluded.) * No character inversion used.



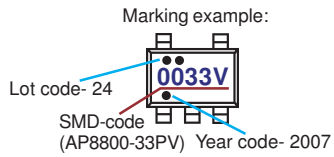
Production data

Manufacturer: Anw (Anwell Semiconductor Corp.)
Dot above product code: Lot Code:

1				•	17	•				•					
2			•		18	•			•						
3			•	•	19	•			•	•					
4		•			20	•		•							
5		•		•	21	•		•		•					
6		•	•		22	•		•	•						
7		•	•	•	23	•		•	•	•					
8	•				24	•	•								
9	•			•	25	•	•			•					
10	•		•		26	•	•		•						
11	•		•	•	27	•	•		•	•					
12	•	•			28	•	•	•							
13	•	•		•	29	•	•	•		•					
14	•	•	•		30	•	•	•	•						
15	•	•	•	•	31	•	•	•	•	•					
16	•														

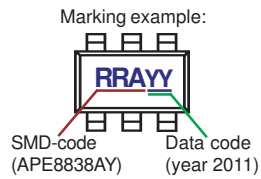
Dot under product code: Year Code:

2003					
2004					•
2005	•	•			
2006		•	•		
2007	•				
2008	•				•
2009	•	•			
2010	•	•	•		



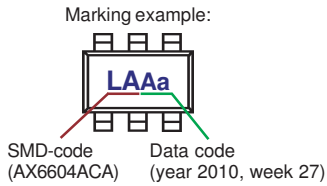
Manufacturer: Ape (Advanced Power Electronics Corp.)

Code	Year
YY	2004, 2008, 2012
YY	2003, 2007, 2011
YY	2002, 2006, 2010
YY	2001, 2005, 2009



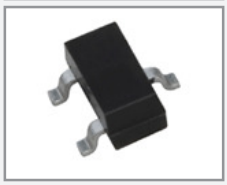
Manufacturer: Axl (AXElite Technology Co., Ltd)

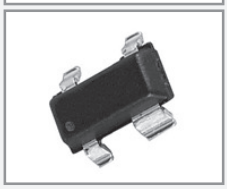
Code	Year	Code	Week
7	2007	A...Z	1...26
8	2008	a...z	27...52
9	2009		
A	2010		
B	2011		
C	2012		



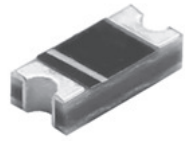
Manufacturer: Di (Diodes Inc.)
Y : Year : 0~9XXX
W : Week : A~Z : 1~26 week; a~z : 27~52 week; z represents 52 and 53 week

SECTION 10
Case drawings

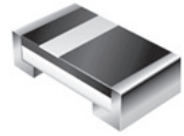




0402 1005
0603 SOD-723F



0402S 0805S
0603S 1206S



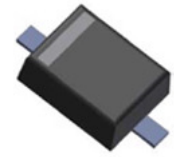
0201
0805
1206

1-1E1A
1-1F1A

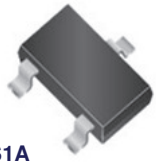
1-1G1A

1-1G1S

1-1Q1A
2-1L1A



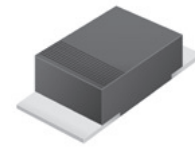
1-1K1A
1-1L1A



1-2S1A
1-2S1B
1-2S1C

1-2U1A
CPH4

1408
A3PS-C



1607

1F
2F
3-4D1A

1F1A
SOD-123

1Z
2-2K1A
2-2K1B

2025
CP
CPH3

2-1B1A

2-1E1A

2-2H1A
2-2H1B
3MM

2-2HA1A

2-2U1A

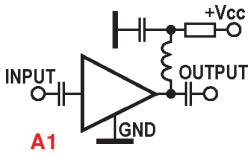
2-3JIA
2-3JIB

2-3JIC
4-SMM

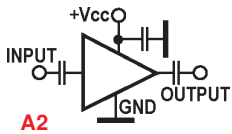
2-3JID

SECTION 11

Sample schematic diagram



A1



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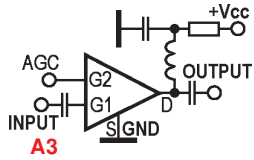

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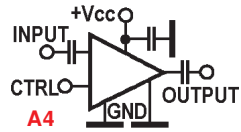

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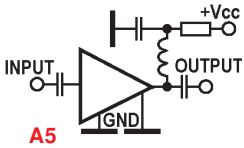

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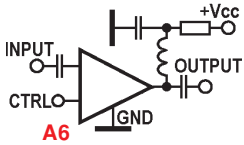

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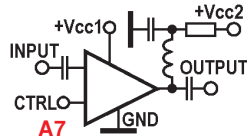

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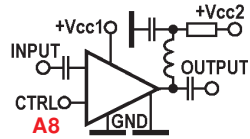

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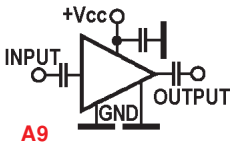

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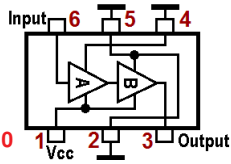

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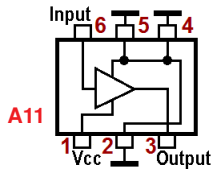

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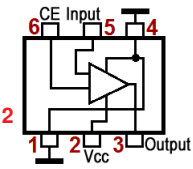

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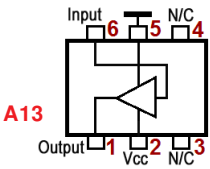

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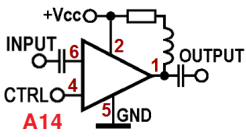

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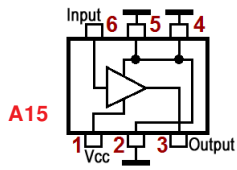

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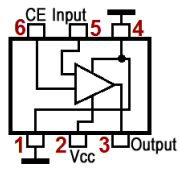

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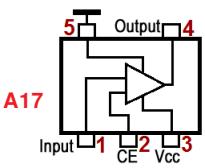

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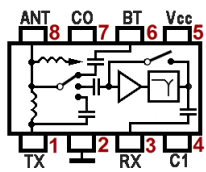

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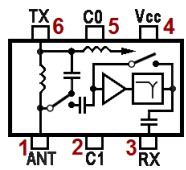

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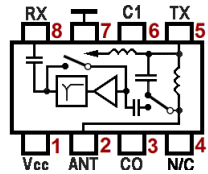

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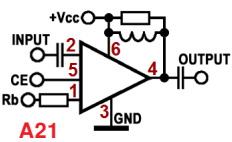

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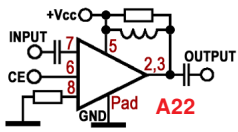

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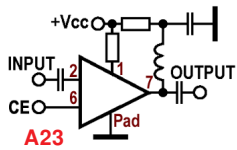

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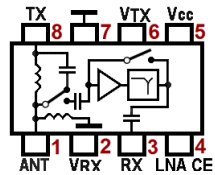

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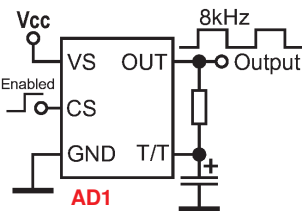

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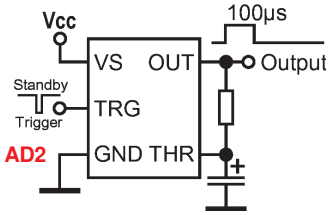
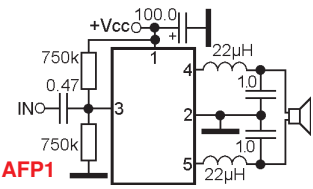


AD2



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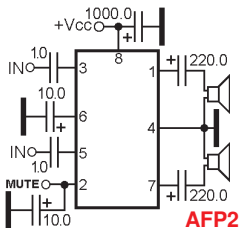

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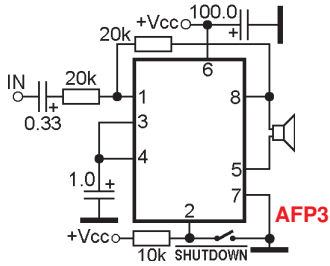
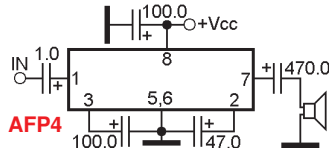


AFP3



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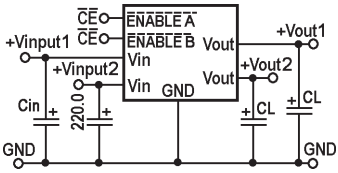
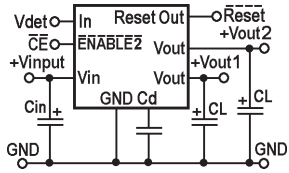


VR26



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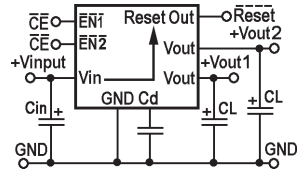

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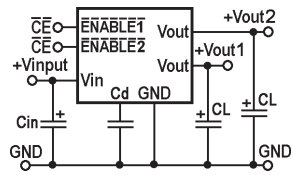

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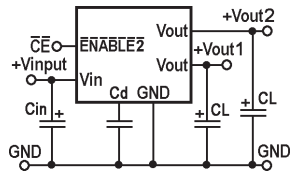
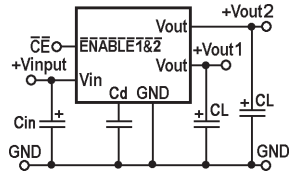


VR30



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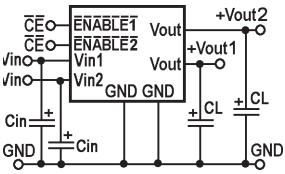
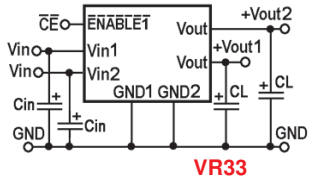
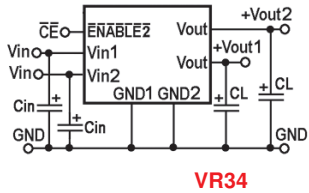


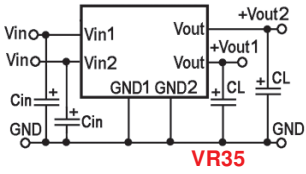
VR32



VR33



VR34



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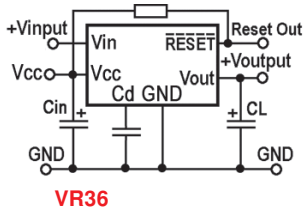

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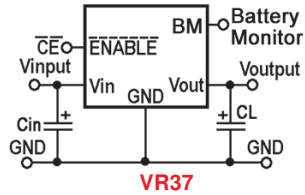
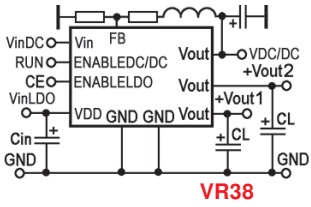


VR37



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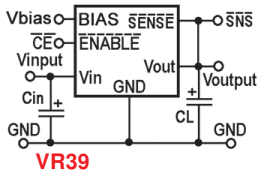

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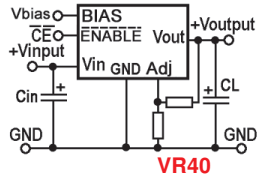

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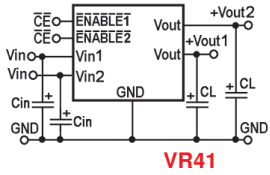
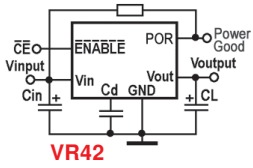
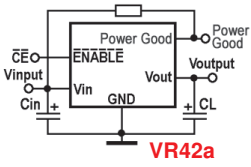


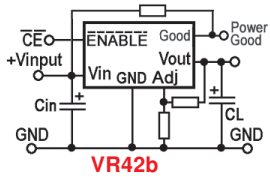
VR41



VR42



VR42a



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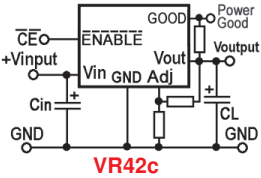

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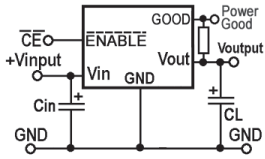

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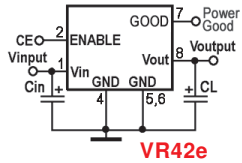

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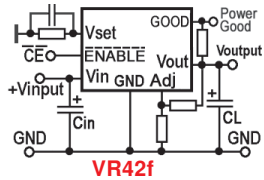

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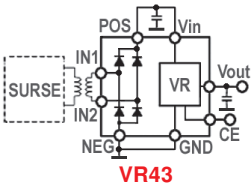

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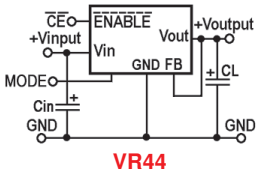

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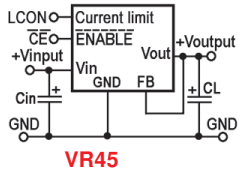

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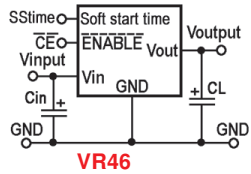

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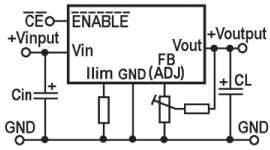

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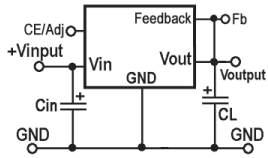

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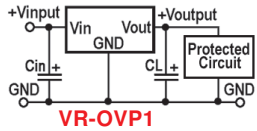
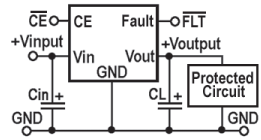
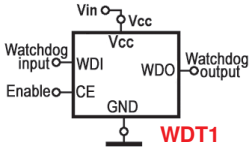


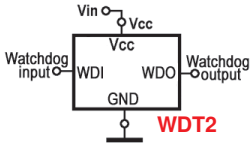
VR-OVP1



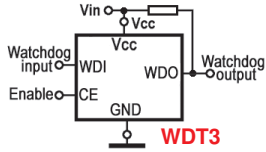
VR-OVP2



WDT1



WDT2



WDT3

SECTION 12

Manufacturers logos and URL

3PK- 3PEAK Inc.
http://www.3peakic.com.cn

Aat- Advanced Analog Technology
http://www.aatech.com.tw/index.aspx

Abl- ABLIC Inc.
https://www.ablicinc.com/en/semicon/

Ad- Analog Devices
http://www.analog.com

Adt- ADDtek
http://www.addmtek.com/Index.htm

Afs- Analog Future Chip Co., Ltd.
http://www.afsemi.com/

Agi- Agilent Technologies
www.semiconductor.agilent.com

Agm- Agamem Microelectronic
http://www.agamem.com.tw

Aic- Analog Integrations Corporation
http://www.analog.com.tw

Ali- Alliance Semiconductor
http://www.alsc.com

All- Allegro MicroSystems Inc.
http://www.allegromicro.com

Alt- Aolittel Technology Co., Ltd
http://www.aolittel.com

Ame- AME, Inc.
www.ame.com.tw

Ams- AMOS Technology Limited
http://www.amos-tech.com

Amz- Amazing Microelectronic
http://www.amazingIC.com

Ana- Anachip Corp.
www.anachip.com.tw

Anb- Anbon Semiconductor Co., Ltd.
http://www.anbonsemi.com

Anp- Anpec Electronics Corp.
www.anpec.com.tw

Ans- AnaSem Inc.
http://www.anasem.net/

Ant- Advanced Analogic Technologies, Inc.
http://www.analogictech.com

Anv- Anova Technologies Co. Ltd
http://anova-semi.com/

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Chisinau, © 2026 edition