

SOD-123 PLASTIC



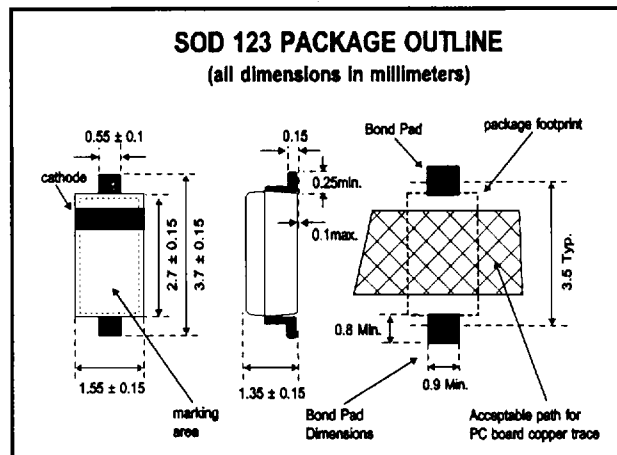
SMD Schottky Diodes

Applications

Guard ring protected schottky barrier. Low forward drop. Fast switching, high performance replacement for small signal devices. Excellent protection for MOS devices. Used in steering, biasing and coupling applications. Efficient portable system battery isolator. Able to directly replace SMA, MELF or SOD-80 packages on boards without redesign.

Features

- Six Sigma quality
- Thermally matched system
- High surge capability
- Guaranteed solderability
- Also available in MELF & DO-35 leaded glass packages.



Absolute Maximum Ratings	Symbol	Value	Unit
Power Dissipation at $T_{PAD} = 25^{\circ}C$	P_{tot}	400	mW
Average Forward Rectified Current at $T_{PAD} = 25^{\circ}C$	I_{AV}	100	mAmps
Operating and Storage Temperature Range	$T_{O\&ST}$	-65 to 150	$^{\circ}C$
Single cycle Surge Current ($t_{peak} = 10 \mu\text{secs.}$)	I_{FSM}	2.0	Amps

Detail Specifications @ 25°C

Type	Peak Inverse Voltage (MIN.) (PIV)	Maximum Forward Voltage Drop		Maximum Reverse Leakage Current		Typical Capacitance	Typical Reverse Recovery
	Volts	(V _F) @ 1mA	(V _F) @ 15mA	(I _R)	@ V _R	@ 0V (C _O)	(NOTE 1)
		Volts	Volts	μA	Volts	Pf	(t _{rr}) nS
1N5711W	70	0.41	1.0	0.2	50	2.0	1.0
1N6263W	60	0.41	1.0	0.2	50	2.2	1.0
SD101AW	60	0.41	1.0	0.2	50	2.0	1.0
SD101BW	50	0.40	0.95	0.2	40	2.1	1.0
SD101CW	40	0.39	0.90	0.2	30	2.2	1.0

Note 1: $I_F = I_R = 5\text{mA}$, t_{rr} @ 0.1 I_R .

For a DO-35 leaded glass package, drop the W at the end.
For a glass MELF package, also replace the first two characters with "LL".



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