

BAT54WS

SURFACE MOUNT SCHOTTKY BARRIER

VOLTAGE 30 Volts **CURRENT** 0.2 Amperes

FEATURES

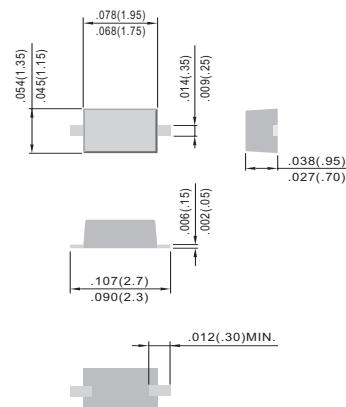
- Low turn-on voltage
- Fast switching
- PN Junction Guard Ring for Transient and ESD Protection.
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

- Case: SOD-323, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.0041 gram
- Polarity : Color band cathode

SOD-323

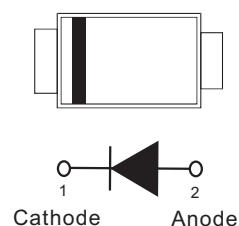
Unit: inch (mm)



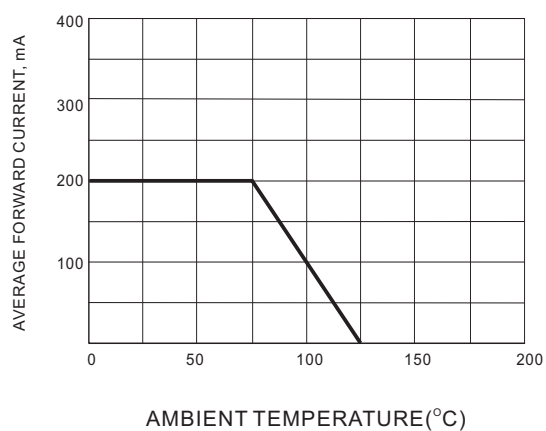
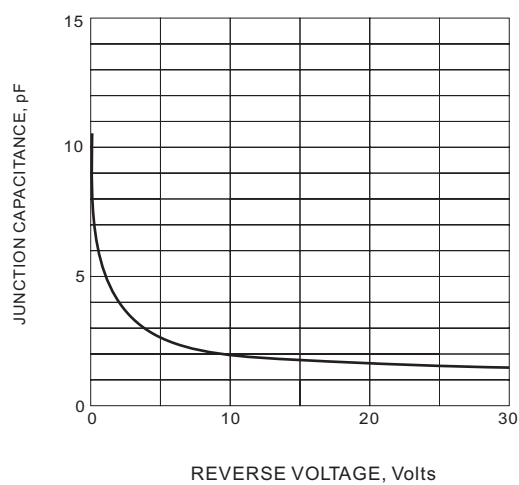
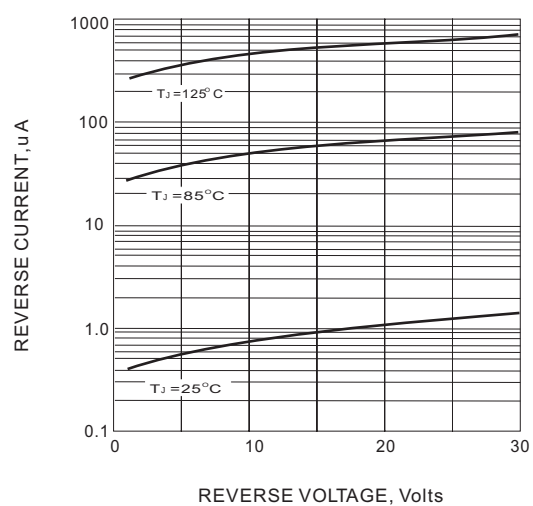
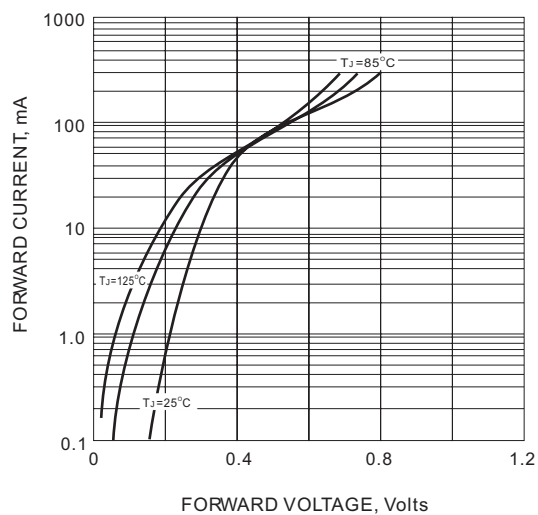
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. For capacitive load, derate current by 20%.

Parameter	Symbol	BAT54WS	Units
Marking code		L4	
Peak Repetitive Reverse Voltage	V_{RRM}	30	V
Maximum Average Forward Current at $T_A=75^{\circ}C$	$I_{F(AV)}$	0.2	A
Peak Forward Surge Current, 1.0s (JEDEC method)	I_{FSM}	0.6	A
Maximum Instantaneous Forward Voltage @ $I_F=1mA$ @ $I_F=100mA$	V_F	0.32 1.0	V
Maximum DC Reverse Current at Rated DC Blocking Voltage @ $V_R=25V$	I_R	2.0	μA
Junction Capacitance :at $V_R=1V$	C_J	10	pF
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	500	$^{\circ}C/W$
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 TO +125	$^{\circ}C$

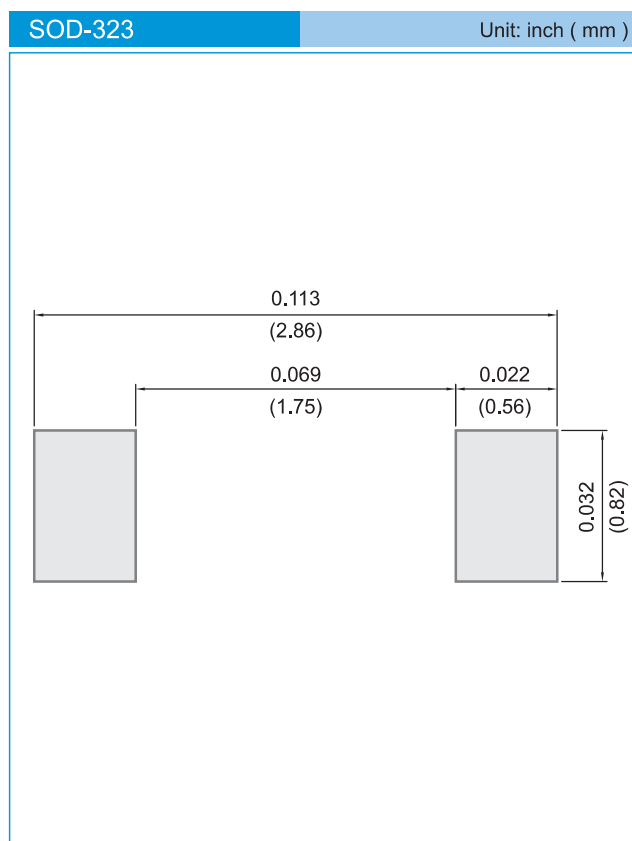


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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 - T/R - 12K per 13" plastic Reel
 - T/R - 5K per 7" plastic Reel

LEGAL STATEMENT

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