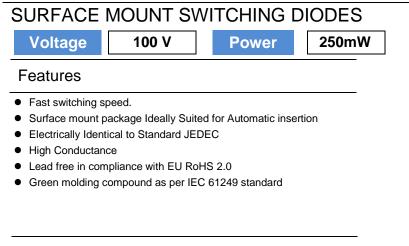
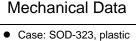


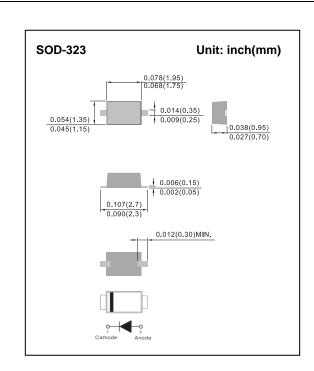


1N4148WS~BAV16WS





- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end
- Approx. Weight: 0.00014 ounces, 0.0041 grams



Maximum Ratings ($T_A=25^{\circ}C$ unless otherwise noted)

PARAMETER		SYMBOL	1N4148WS	1N4448WS	BAV16WS	UNIT
Marking code		-	A2	A3	A6	-
Reverse voltage		Vr	75		V	
Maximum dc blocking voltage		VDC	75			V
Peak reverse voltage		Vrm	100			V
RMS voltage		Vrms	50			V
Maximum average forward current at TA=25°C		F(AV)	200			mA
Peak forward surge current	0.001ms 10ms 1s	Ігѕм	4 1.5 0.5		А	
Power dissipation derate above 25°C		PD	250			mW
Maximum forward voltage		VF	0.715@1mA 0.855@10mA 1@50mA 1.25@150mA	0.72@5mA 1@100mA	0.715@1mA 0.855@10mA 1@50mA	V
Maximum dc reverse current at rated dc blocking voltage		Ir	0.025@20V 2.5@75V	2.5@75V	1@75V	μΑ
Junction capacitance Measured at 1MHz and applied V _R =0V		Сл	1.5	4	2	pF
Maximum reverse recovery time	(Note 3)	Trr	4	4	6	ns
Typical thermal resistance	(Note 1) (Note 2) (Note 4) (Note 4)	Reja Reja Rejc Rejl	500 650 280 400		°C/W	
Operating and storage temperature range		TJ, TSTG	-55 to +150		°C	

Note : 1. Mounted on a FR4, single-sided copper, with 50 x 15mm PCB.

2. Mounted on a FR4, single-sided copper, with mini pad.

3. From IF=10mA to IR=1mA, VR=6Volts, RL=100 Ω .

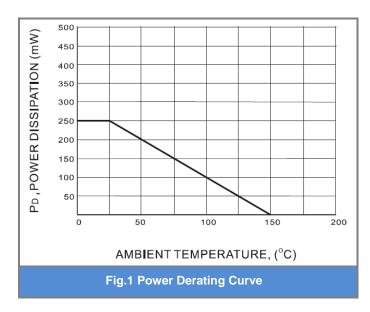
4. Mounted on a FR-4 PCB, single-sided copper, mini pad, with 100cm² copper pad area.

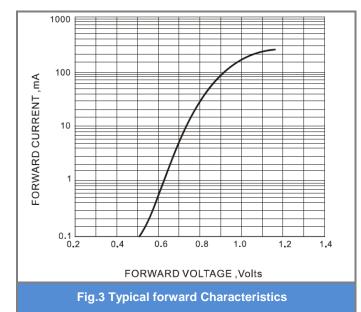


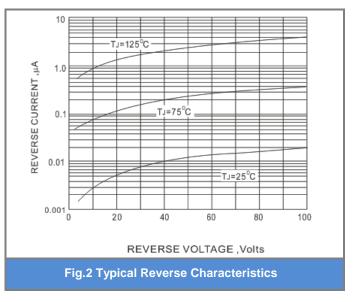


1N4148WS~BAV16WS

TYPICAL CHARACTERISTIC CURVES









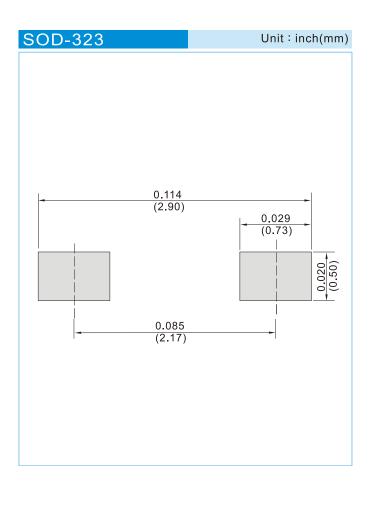


1N4148WS~BAV16WS

Part No Packing Code Version

Part No Packing Code	Package Type	Packing Type	Marking	Version
1N4148WS_R1_00001	SOD-323	5K pcs / 7" reel	A2	Halogen free
1N4148WS_R2_00001	SOD-323	12K pcs / 13" reel	A2	Halogen free

Mounting Pad Layout







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