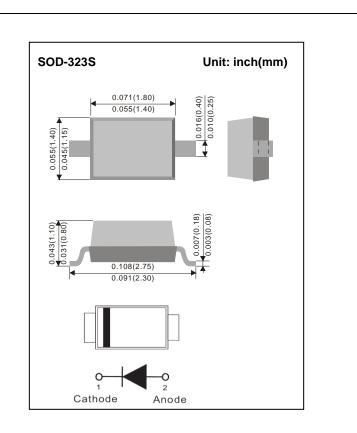


- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end
- Approx. Weight: 0.0001 ounces, 0.0042 grams



Maximum Ratings (T_A=25[°]C unless otherwise noted)

PARAMETER		SYMBOL	VALUE	UNIT
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		IF(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
			0.715@1mA	
Maximum forward voltage		Vf	0.855@10mA	V
			1@50mA	V
			1.25@150mA	
Maximum dc reverse current at rated dc blocking voltage		lr	0.025@20V	A
			2.5@75V	μΑ
Junction capacitance		Сл	1.5	pF
Measured at 1MHz and applied VR=0V			1.5	
Maximum reverse recovery time	(Note 3)	Trr	4	ns
Typical thermal resistance	(Note 1)	Reja	500	
	(Note 2)	Reja	650	°C/W
	(Note 4)	Rejc	280	C/VV
	(Note 4)	Rejl	400	
Operating and storage temperature range		TJ, TSTG	-55 to +150	°C

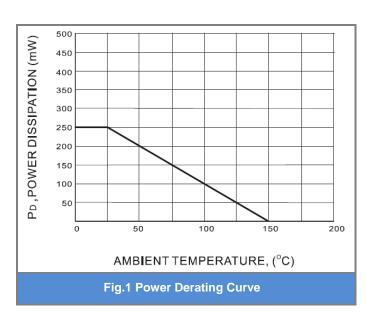
Note : 1. Mounted on a FR4, single-sided copper, with 50 x 15mm PCB.

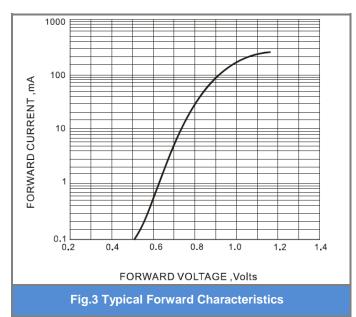
- 2. Mounted on a FR4, single-sided copper, with mini pad.
- 3. From IF=10mA to IR=1mA, VR=6Volts, RL=100 Ω .
- 4. Mounted on a FR-4 PCB, single-sided copper, mini pad, with 100cm² copper pad area.

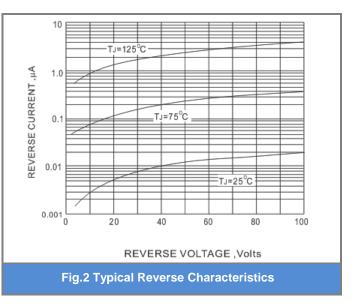




TYPICAL CHARACTERISTIC CURVES









Part No Packing Code Version

1N4148WS_R1_000A4	SOD-323S	3K pcs / 7" reel	A2	Halogen free
tin a Dad Lanaut				
ting Pad Layout				
	SOD-323S	Unit	:inch(mm)	
		0.119		
	0.032	(3.02)	32	
	(0.81)	(1.40) (0.8	1)	
	0.026 (0.65)			



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