

Ordering Information

Part Number	Iumber Top Mark Package		Packing Method	
1N4148WS	S1	SOD-323F 2L	Tape and Reel	
1N4448WS	S2	SOD-323F 2L	Tape and Reel	
1N914BWS	S3	SOD-323F 2L	Tape and Reel	

Absolute Maximum Ratings

Stresses exceeding the absolute maximum ratings may damage the device. The device may not function or be operable above the recommended operating conditions and stressing the parts to these levels is not recommended. In addition, extended exposure to stresses above the recommended operating conditions may affect device reliability. The absolute maximum ratings are stress ratings only. Values are at $T_A = 25^{\circ}$ C unless otherwise noted.

Symbol	Parameter	Value	Unit
V _{RSM}	Non-Repetitive Peak Reverse Voltage	100	V
V _{RRM}	Repetitive Peak Reverse Voltage	75	V
I _{FRM}	Repetitive Peak Forward Current	300	mA
Ι _Ο	Continuous Forward Current	150	mA
T _J Operating Junction Temperature		+150	°C
T _{STG}	Storage Temperature Range	-55 to +150	°C

Thermal Characteristics

Values are at $T_A = 25^{\circ}C$ unless otherwise noted.

Symbol	Parameter	Value	Unit
PD	Power Dissipation ($T_C = 25^{\circ}C$)	200	mW
$R_{ extsf{ heta}JA}$	Thermal Resistance, Junction-to-Ambient ⁽¹⁾	500	°C/W

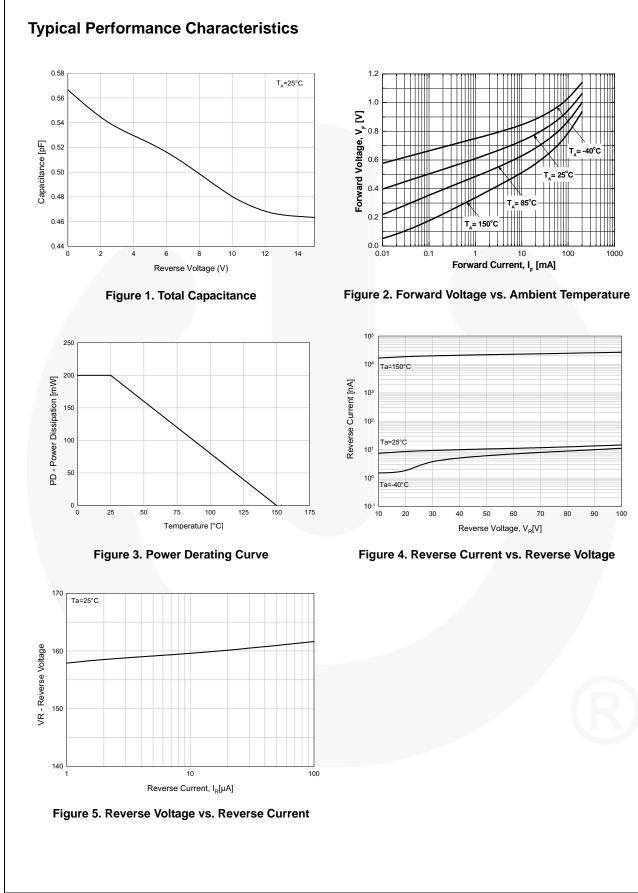
Note:

1. Device mounted on FR-4 PCB minimum land pad.

Electrical Characteristics

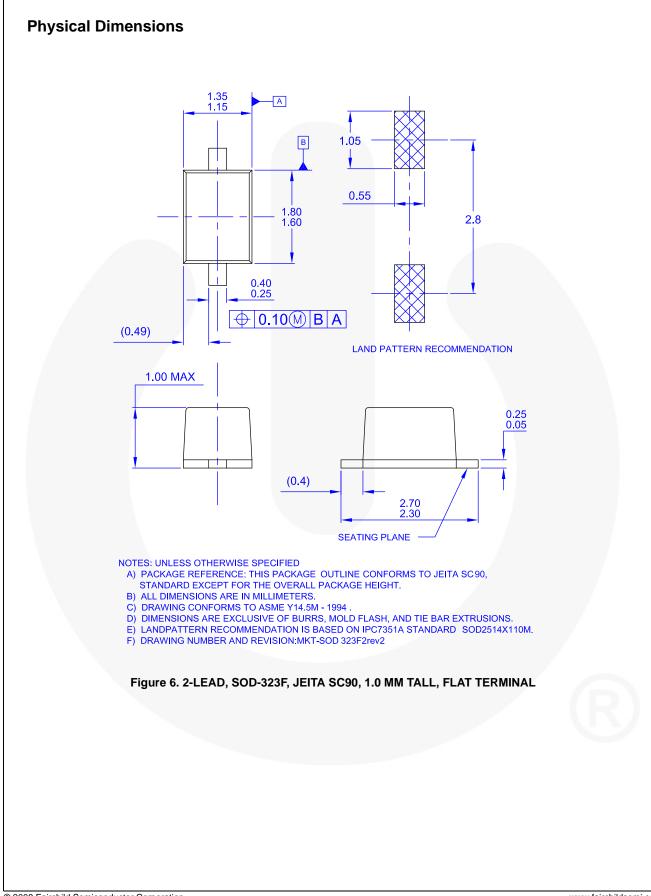
Values are at $T_A = 25^{\circ}C$ unless otherwise noted.

Symbol	Parameter			Conditions	Min.	Max.	Unit
DV	Breakdown Voltage		I _R = 100 μA	100		V	
BV _R Breakdown Vo		age		I _R = 5 μA	75		
	Reverse Current		V _R = 20 V		25	nA	
I _R	Reverse Current	verse Current		V _R = 75 V		5	μΑ
		1N4448WS / 1N914	4BWS	I _F = 5 mA	0.62	0.72	V
V _F	Forward Voltage 1N4148WS 1N4448WS / 1N9	1N4148WS		I _F = 10 mA		1	
		4BWS	I _F = 100 mA		1		
C _O	Diode Capacitance			V _R = 0, f = 1.0 MHz		4	pF
T _{RR}	Reverse Recovery Time			$I_{\text{F}} = 10 \text{ mA}, I_{\text{R}} = 60 \text{ mA},$ $I_{\text{RR}} = 1 \text{ mA}, R_{\text{L}} = 100 \Omega$		4	ns



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— Small Signal Diodes



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