

Electrical Characteristics $T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified

Parameter	Test condition	Part	Symbol	Min.	Typ.	Max.	Unit
Leakage current	$V_R = 30\text{ V}$	SD103AWS-V	I_R			5	μA
	$V_R = 20\text{ V}$	SD103BWS-V	I_R			5	μA
	$V_R = 10\text{ V}$	SD103CWS-V	I_R			5	μA
Forward voltage drop	$I_F = 20\text{ mA}$		V_F			370	mV
	$I_F = 200\text{ mA}$		V_F			600	mV
Diode capacitance	$V_R = 0\text{ V}$, $f = 1\text{ MHz}$		C_D		50		pF
Reverse recovery time	$I_F = I_R = 50\text{ mA}$ to 200 mA , recover to $0.1\text{ }I_R$		t_{rr}		10		ns

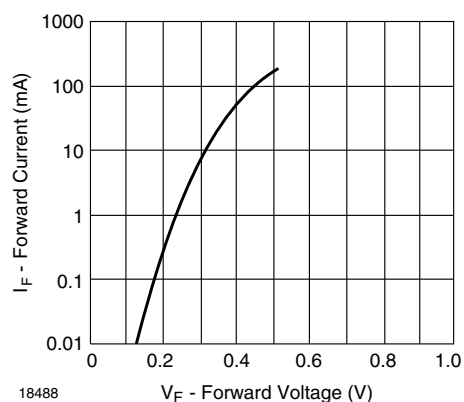
Typical Characteristics $T_{amb} = 25\text{ }^{\circ}\text{C}$ unless otherwise specified

Figure 1. Typical Variation of Forward Current vs. Forward Voltage

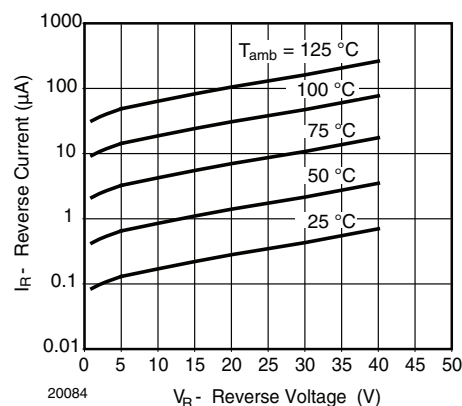


Figure 3. Typical Variation of Reverse Current at Various Temperatures

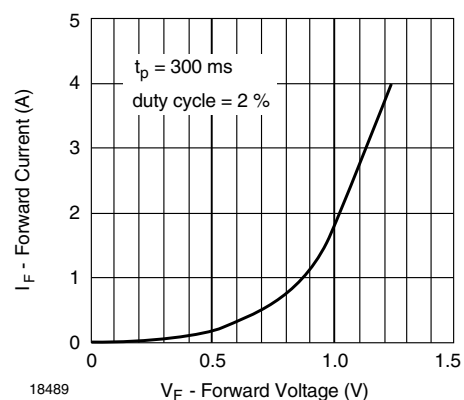


Figure 2. Typical High Current Forward Conduction Curve

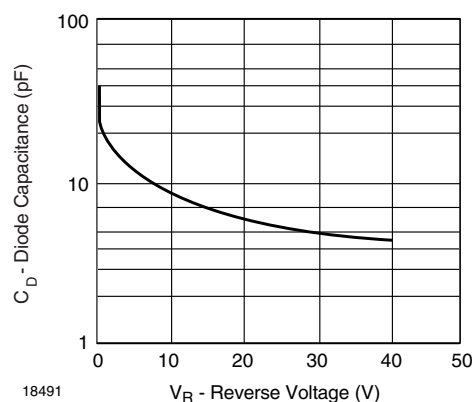


Figure 4. Diode Capacitance vs. Reverse Voltage

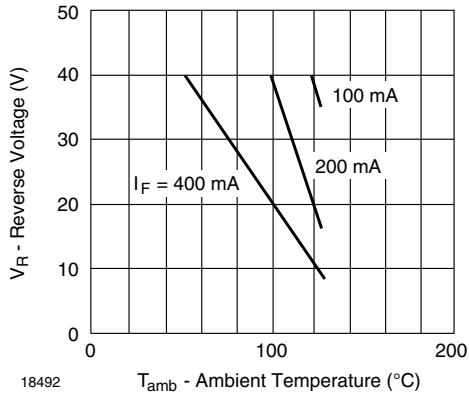
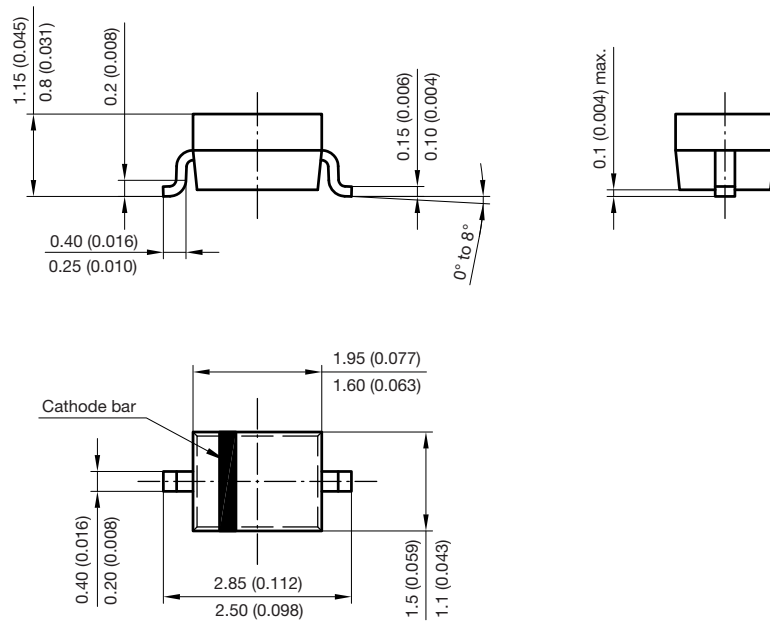
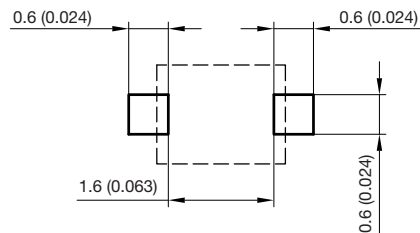


Figure 5. Blocking Voltage Deration vs. Temperature at Various Average Forward Currents

Package Dimensions in millimeters (inches): SOD-323



Foot print recommendation:



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17443



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