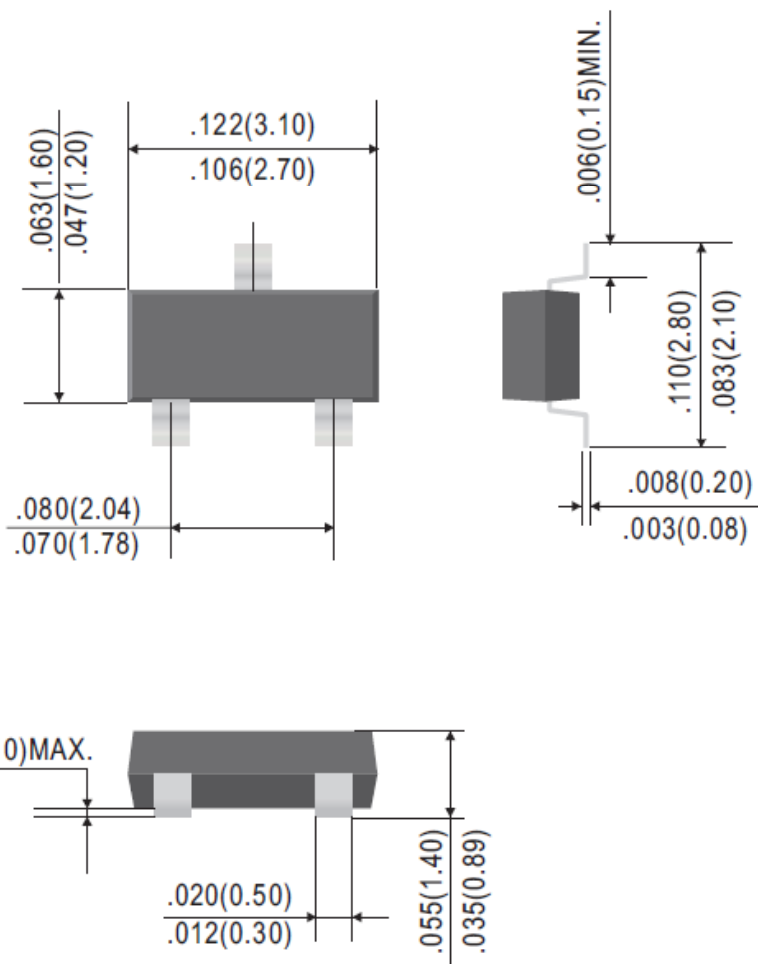
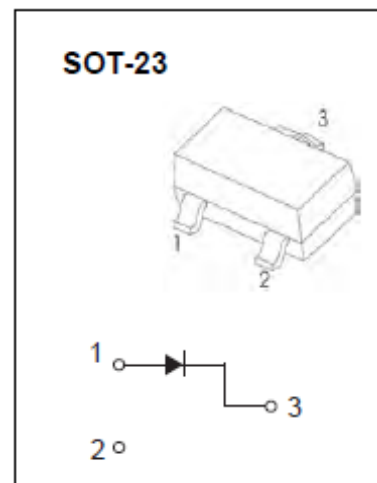




Dimensions in inches and (millimeters)



FEATURES

- Fast Switching Speed
- High Conductance
- Surface Mount Package Ideally Suited for Automatic Insertion
- Electrically Identical to Standard JEDEC requirements.
- Pb-Free package is available
- RoHS product for packing code suffix "G"
- Halogen free product for packing code suffix "H"
- Moisture Sensitivity Level 1

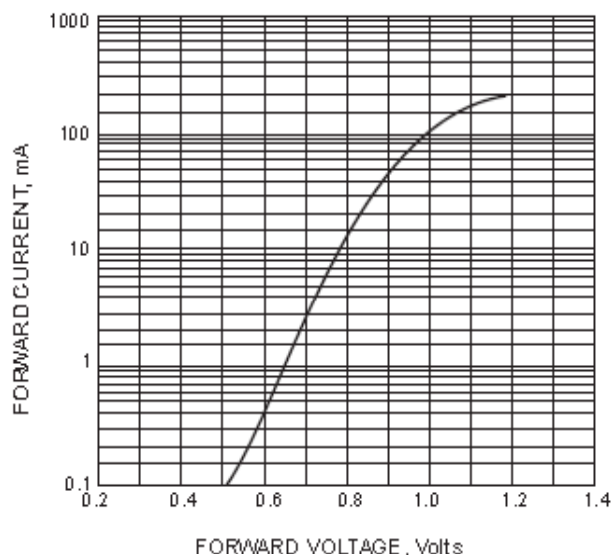
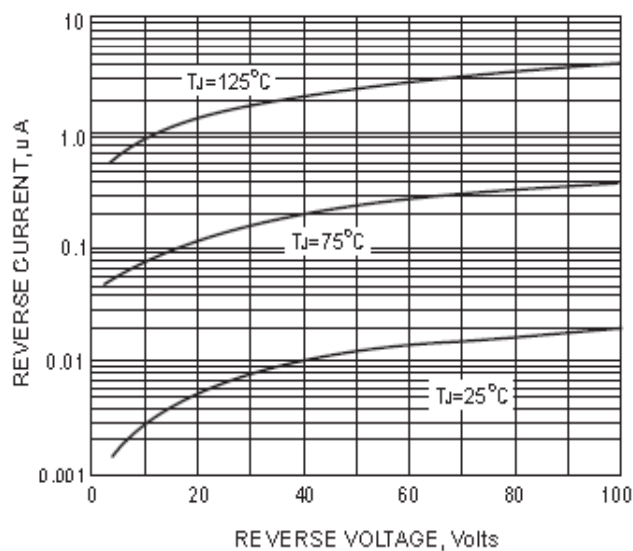
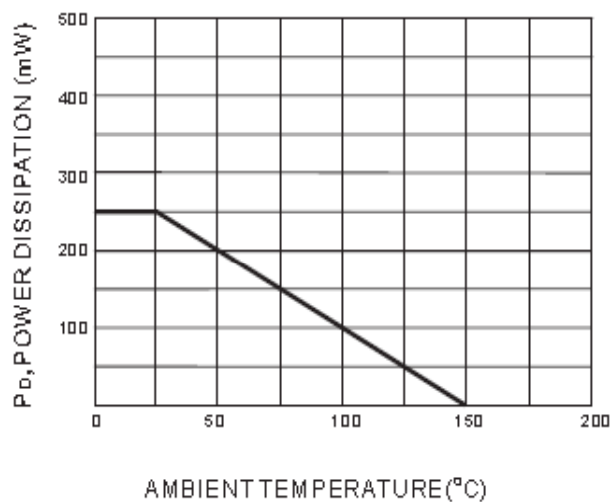
MARKING: A3

Maximum Ratings ($T_A=25^{\circ}\text{C}$ unless otherwise specified)			
Characteristic	Symbol	Value	Unit
RMS Voltage	V_{RMS}	50	V
Peak Reverse Voltage	V_{RM}	100	V
Reverse Voltage	V_{R}	75	V
Maximum DC Blocking Voltage	V_{DC}	75	V
Maximum Average Forward Current	I_{AV}	150	mA
Peak Forward Surge Current 1.0 μs	I_{FSM}	4	A
Power Dissipation Derate Above $T_A=25^{\circ}\text{C}$	P_{D}	250	mW
Typical Thermal Resistance	$R_{\theta\text{JA}}$	357	$^{\circ}\text{C/W}$
Typical Junction Capacitance (Note 1)	C_{J}	4	pF
Operating/ Junction and Storage Temperature Range	$T_{\text{J}}, T_{\text{STG}}$	-65~+150	$^{\circ}\text{C}$

Electrical Characteristics ($T_A=25^{\circ}\text{C}$ unless otherwise specified)						
Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Reverse Current	I_{R}	$V_{\text{R}}=75\text{V}$	—	—	2.5	μA
		$V_{\text{R}}=25\text{V}$	—	—	25	nA
Forward Voltage	V_{F}	$I_{\text{F}}=0.005\text{A}$	—	—	0.72	V
		$I_{\text{F}}=0.1\text{A}$	—	—	1	
Reverse Recovery Time (Note 2)	t_{rr}		—	—	4	ns

Notes:

1. C_{J} at $V_{\text{R}}=0$, $f=1\text{MHz}$
2. From $I_{\text{F}}=10\text{mA}$ to $I_{\text{R}}=1\text{mA}$, $V_{\text{R}}=6\text{Volts}$, $R_{\text{L}}=100\Omega$


FIG. 1-TYPICAL FORWARD CHARACTERISTIC

FIG. 2-TYPICAL REVERSE CHARACTERISTICS

FIG. 3 POWER DERATING CURVE