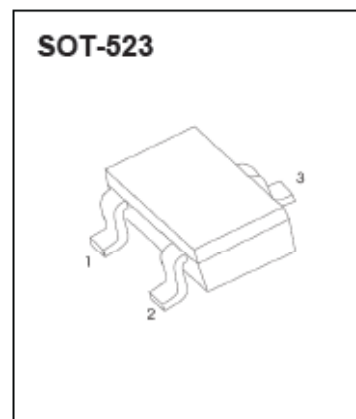
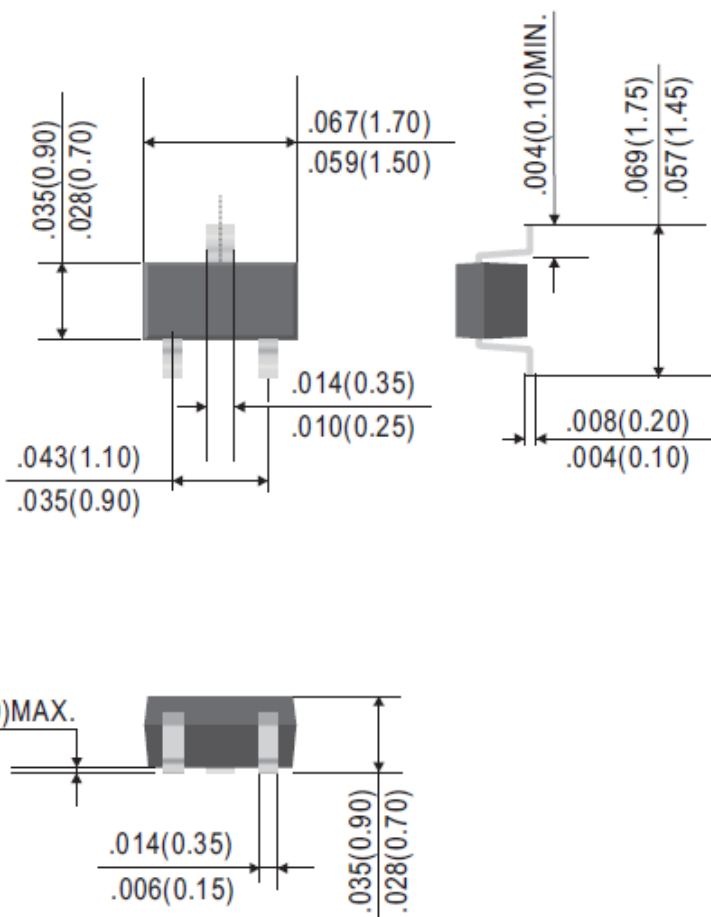




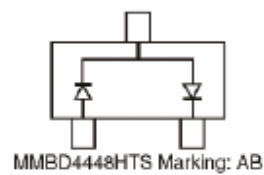
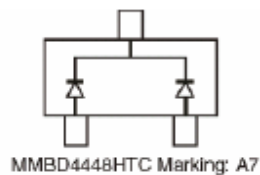
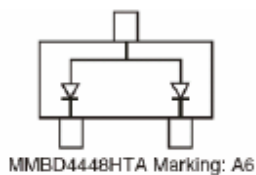
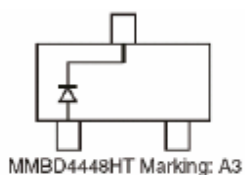
Dimensions in inches and (millimeters)

SWITCHING DIODE

FEATURES

- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance
- 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:



Maximum Ratings (T _A =25°C unless otherwise specified)			
Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	V _{RM}	100	V
Peak Repetitive Peak Reverse Voltage	V _{RRM}	80	V
Working Peak Reverse Voltage	V _{RWM}		
DC Blocking Voltage	V _R		
RMS Reverse Voltage	V _{R(RMS)}	57	V
Forward Continuous Current	I _{FM}	500	mA
Average Rectified Output Current	I _O	250	mA
Peak Forward Surge Current @t=1.0μs	I _{FSM}	4	A
@t =1.0s		1.5	
Power Dissipation	P _D	150	mW
Thermal Resistance Junction to Ambient	R _{θJA}	833	°C/W
Operating/ Storage Temperature Range	T _{STG}	-55~+150	°C

Electrical Characteristics (T _A =25°C unless otherwise specified)					
Parameter	Symbol	Test conditions	Min.	Max.	Unit
Reverse Breakdown Voltage	V _(BR)	I _R = 2.5μA	80	—	V
Forward Voltage	V _{F1}	I _F =5mA	0.62	0.72	V
	V _{F2}	I _F =10mA	—	0.855	V
	V _{F3}	I _F =100mA	—	1	V
	V _{F4}	I _F =150mA	—	1.25	V
Reverse Voltage Leakage Current	I _{R1}	V _R =70V	—	0.1	μA
	I _{R2}	V _R =20V	—	25	nA
Total Capacitance	C _T	V _R =6V, f=1MHz	—	3.5	pF
Reverse Recovery Time	t _{rr}	V _R =6V, I _F =5mA	—	4	ns