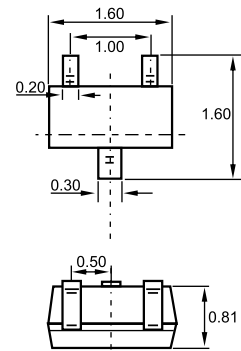




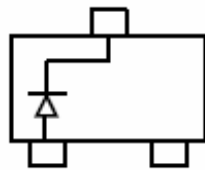
SOT-523



Dimensions in inches and (millimeters)

Features

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



MARKING :T3

Maximum Ratings @T_A=25°C

Parameter	Symbol	Limits	Unit	
Peak Repetitive Peak reverse voltage	V _{RRM}	200	V	
Working Peak Reverse Voltage	V _{RWM}			
DC Blocking Voltage	V _R			
Forward Continuous Current	I _{FM}	400	mA	
Average Rectified Output Current	I _O	200	mA	
Non-Repetitive Peak Forward Surge Current	I _{FSM}	@ t = 1.0μs	2.5	A
		@ t = 1.0s	0.5	
Power Dissipation	P _D	150	mW	
Thermal Resistance Junction to Ambient Air	R _{θJA}	833	°C/W	
Operating Junction Temperature	T _J	150	°C	
Storage temperature	T _{STG}	-65-150	°C	

ELECTRICAL CHARACTERISTICS (T_{amb}=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	V _(BR)	I _R = 100μA	200		V
Reverse voltage leakage current	I _R	V _R =200V		100	nA
Forward voltage	V _F	I _F =100mA I _F =200mA		1 1.25	V
Total capacitance	C _T	V _R =0V,f=1MHz		5	pF
Reverse recovery time	t _{rr}	I _F =I _R =30mA,I _{rr} =0.1X I _R , R _L =100Ω		50	nS



Typical Characteristics

