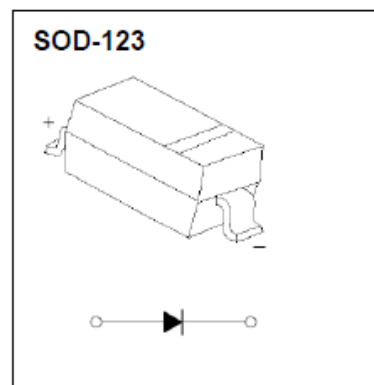
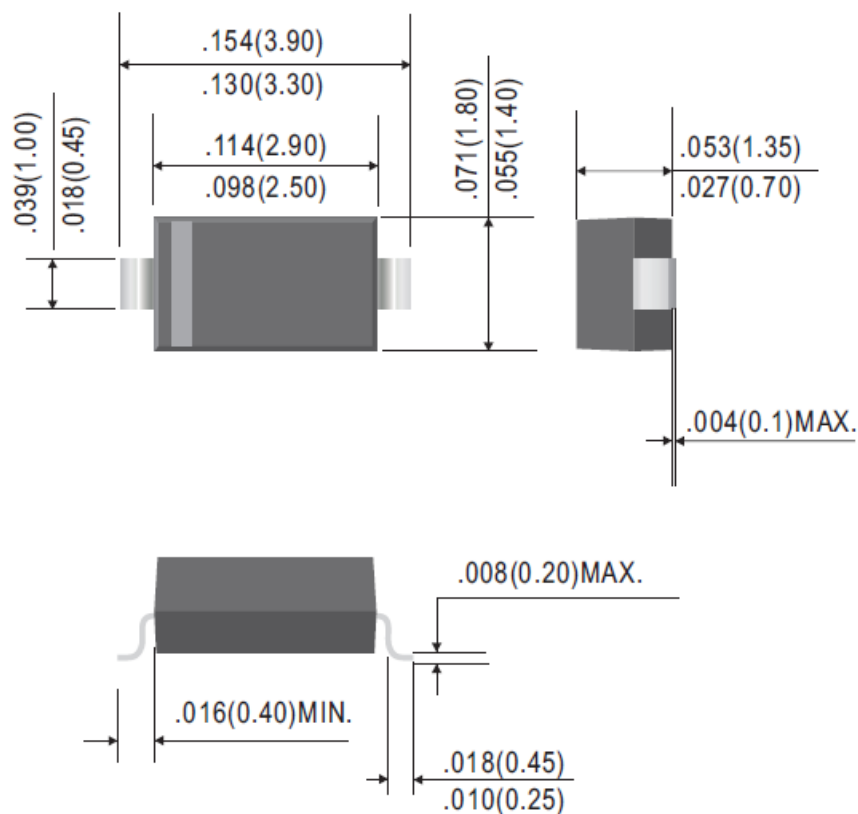




Dimensions in inches and (millimeters)

FEATURES

- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- 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"

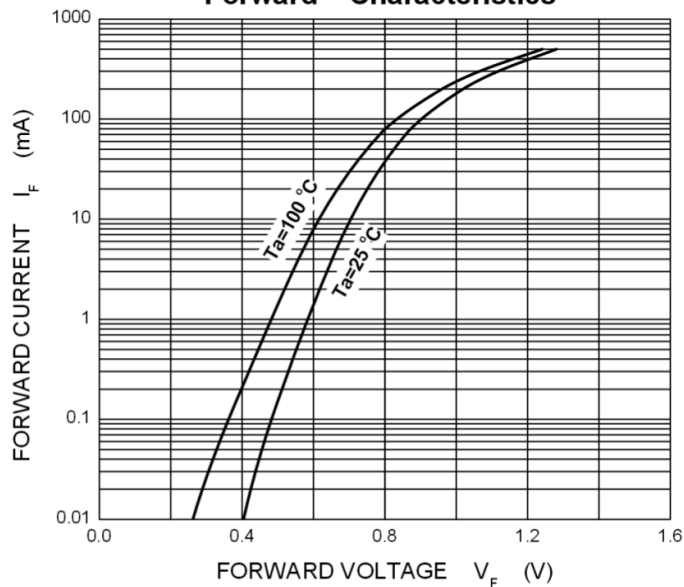
MARKING: **BAV16W=T6**
1N4148W=T4

Maximum Ratings (T _A =25°C unless otherwise noted)			
Parameter	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage	V _{RM}	100	V
Peak Repetitive Peak Reverse Voltage	V _{RRM}	75	V
Working Peak Reverse Voltage	V _{RWM}		
DC Blocking Voltage	V _R		
RMS Reverse Voltage	V _{R(RMS)}	53	V
Forward Continuous Current	I _{FM}	300	mA
Average Rectified Output Current	I _O	150	mA
Peak Forward Surge Current	I _{FSM}	2	A
		1	
Power Dissipation	P _D	500	mW
Thermal Resistance From Junction To Ambient	R _{θJA}	250	°C/W
Junction Temperature	T _J	150	°C
Operating/Storage Temperature	T _{STG}	-55~+150	°C

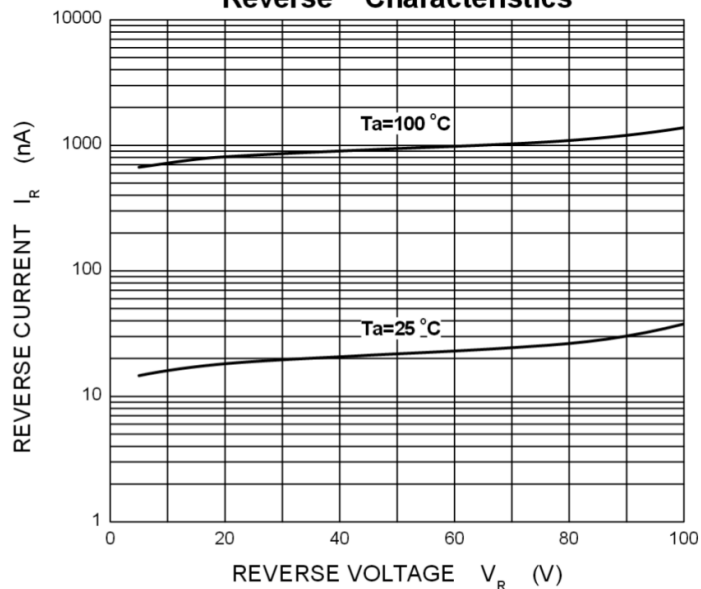
Electrical Characteristics (T _A =25°C unless otherwise noted)						
Parameter	Symbol	Test conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V _{F1}	I _F =1mA	—	—	0.715	V
	V _{F2}	I _F =10mA	—	—	0.855	
	V _{F3}	I _F =50mA	—	—	1.00	
	V _{F4}	I _F =150mA	—	—	1.25	
Reverse Current	I _{R1}	V _R =75V	—	—	1	μA
	I _{R2}	V _R =20V	—	—	25	nA
Capacitance between terminals	C _T	V _R =0V, f=1MHz	—	—	2	pF
Reverse Recovery Time	t _{rr}	I _F =I _R =10mA I _{rr} =0.1X I _R , R _L =100Ω	—	—	4	ns

Rating and Characteristics Curves

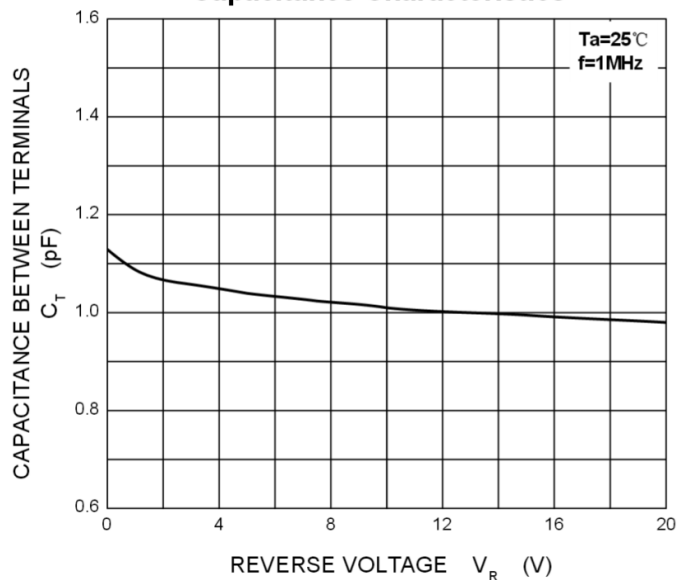
Forward Characteristics



Reverse Characteristics



Capacitance Characteristics



Power Derating Curve

