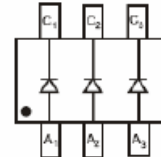


Plastic-Encapsulate Diodes SWITCHING DIODE

FEATURES

- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance
- Weight: 0.05g
- RoHS product for packing code suffix "G"
- Halogen free product for packing code suffix "H"
- Moisture Sensitivity Level 1

MAKING: BAS16TW1T1:KA2

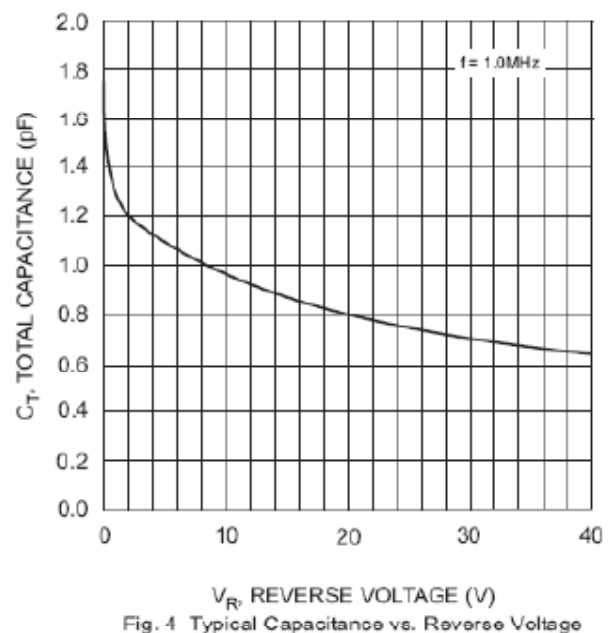
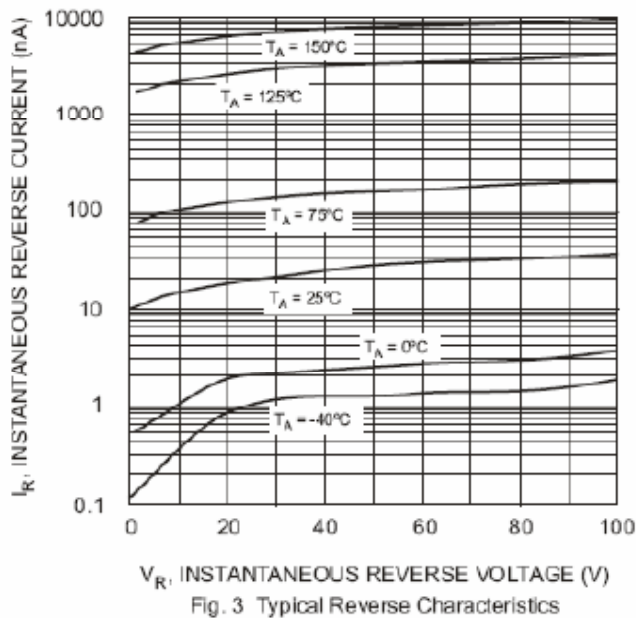
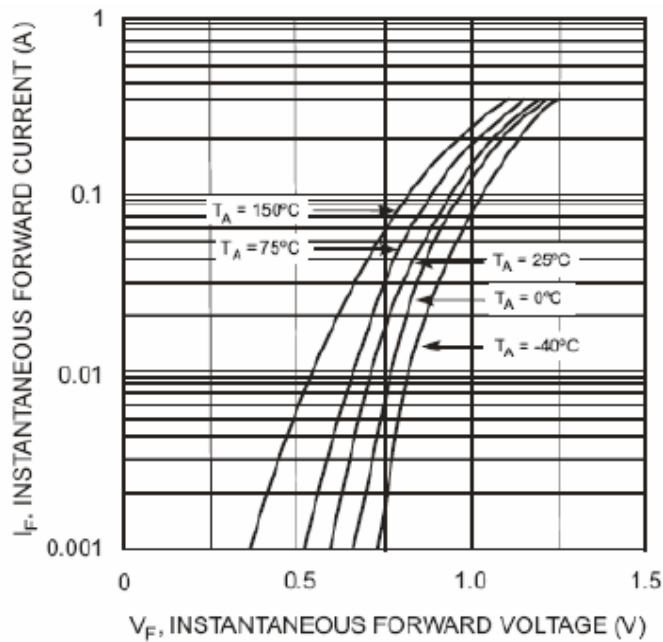


Maximum Ratings @T _A =25°C			
Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	V _{RM}	100	V
Peak Repetitive Peak Reverse Voltage	V _{RRM}	75	V
Working Peak Reverse Voltage	V _{RWM}		
DC Blocking Voltage	V _R		
RMS Reverse Voltage	V _{R(RMS)}	53	V
Forward Continuous Current	I _{FM}	300	mA
Average Rectified Output Current	I _O	150	mA
Peak Forward Surge Current	I _{FSM}	2	A
@t=1.0μs		1	
@t =1.0s			
Power Dissipation	P _d	200	mW
Thermal Resistance Junction to Ambient	R _{θJA}	625	K / W
Junction Temperature	T _J	150	°C
Operating/Storage Temperature	T _{STG}	-55~+150	°C

Electrical Ratings @T _A =25°C						
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test conditions
Reverse Breakdown Voltage	V _{(BR)R}	75			V	I _R =2.5μA
Forward Voltage	V _{F1}			0.715	V	I _F =1mA
	V _{F2}			0.855		I _F =10mA
	V _{F3}			1		I _F =50mA
	V _{F4}			1.25		I _F =150mA
Reverse Current	I _{R1}			1	μA	V _R =75V
	I _{R2}			25	nA	V _R =20V
Capacitance Between Terminals	C _T			2	pF	V _R =0, f=1MHz
Reverse Recovery Time	t _{rr}			4	ns	I _F =I _R =10mA I _{rr} =0.1xI _R , R _L =100Ω

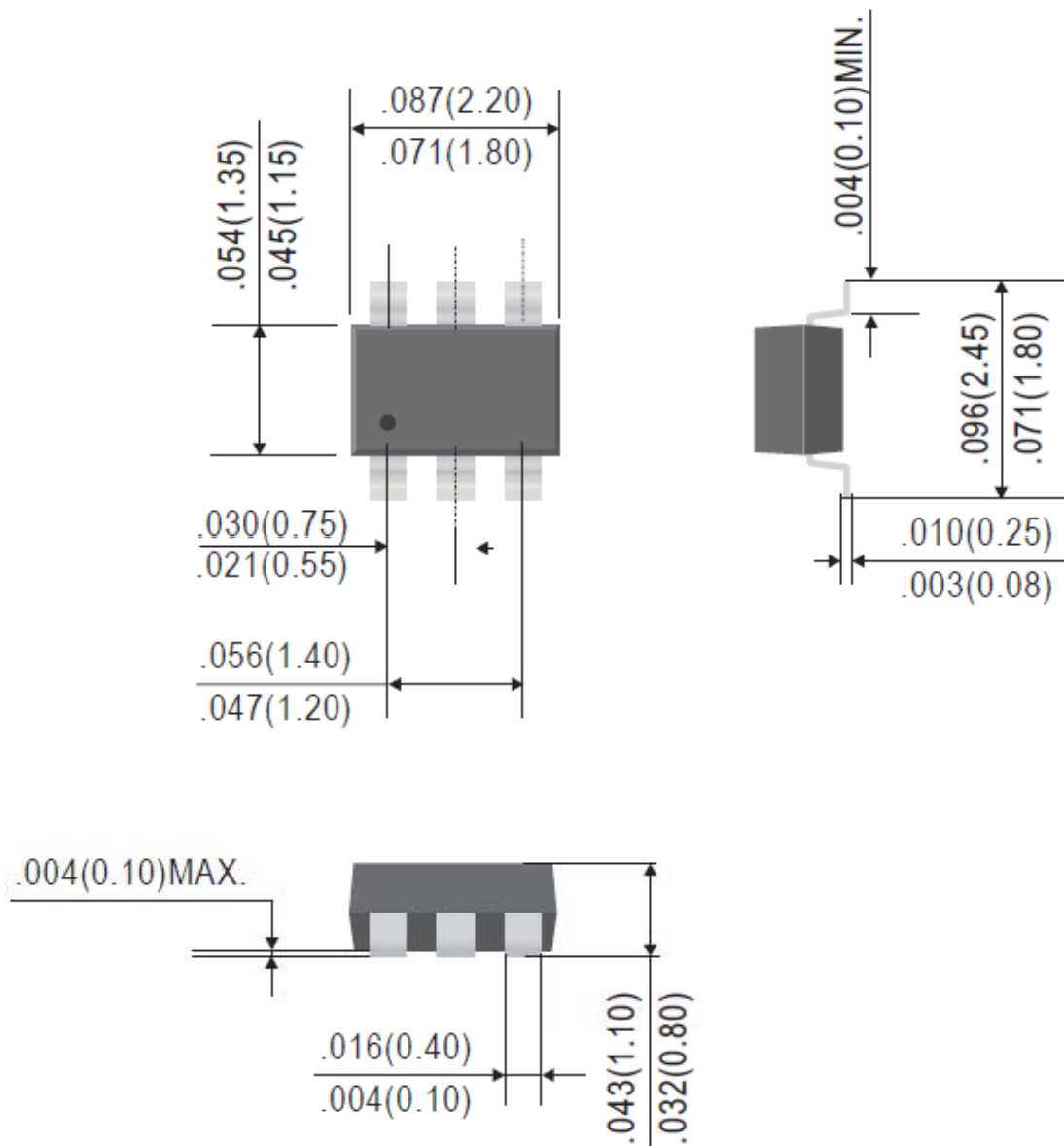
Plastic-Encapsulate Diodes SWITCHING DIODE

Typical Characteristics



Plastic-Encapsulate Diodes SWITCHING DIODE

Outline Drawing SOT-363



Dimensions in inches and (millimeters)