

GSDSBAT46W

Surface Mount Schottky Barrier Diode

Product Description

Small Signal Schottky Diode 100V / 150mA

Features

- High Breakdown Voltage
- Low Turn-on Voltage
- Halogen/Lead(Pb)-Free

Mechanical Data

- Epoxy : UL 94V-O rate flame retardant
- Polarity : Indicated by cathode band
- Mounting position : Any

Packages



SOD-123

Ordering Information



Part Number	Package	Quantity
GSDSBAT46WF	SOD-123	3000 PCS

GSDSBAT46W

Absolute Maximum Ratings

(T_A=25°C Unless Otherwise Noted)

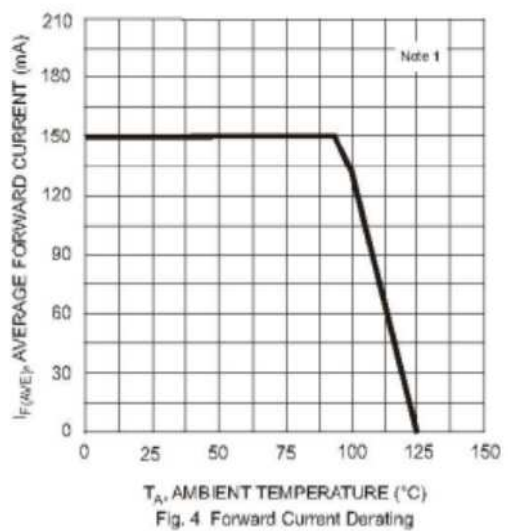
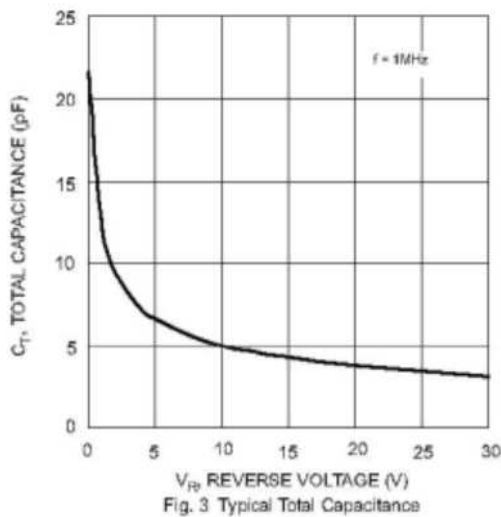
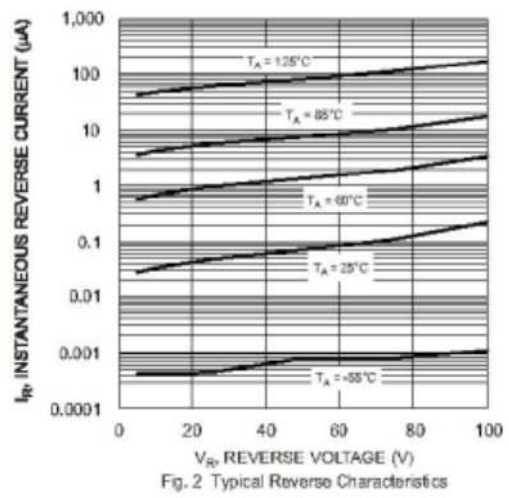
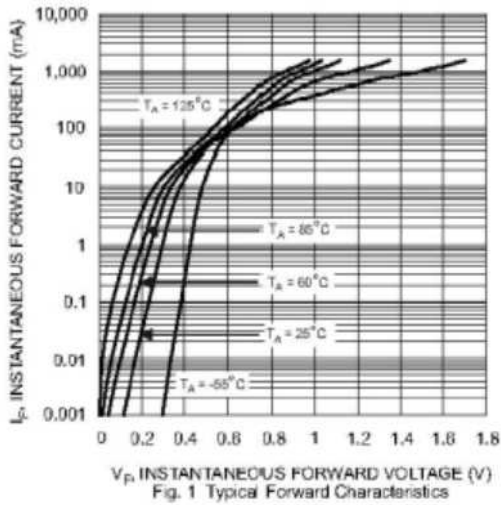
Symbol	Conditions	Value	Unit
V _{RRM}	Repetitive Peak Reverse Voltage	100	V
I _F	Continuous Forward Current	150	mA
I _{FSM}	Surge Forward Current (at t _p <10ms)	750	mA
P _D	Power Dissipation	200	mW
R _{θJA}	Thermal Resistance Junction Ambient	420	°C/W
T _J	Operation Junction Temperature Range	125	°C
T _{STG}	Storage Temperature Range	-55 to +150	°C

Electrical Characteristics

(T_A=25°C Unless otherwise noted)

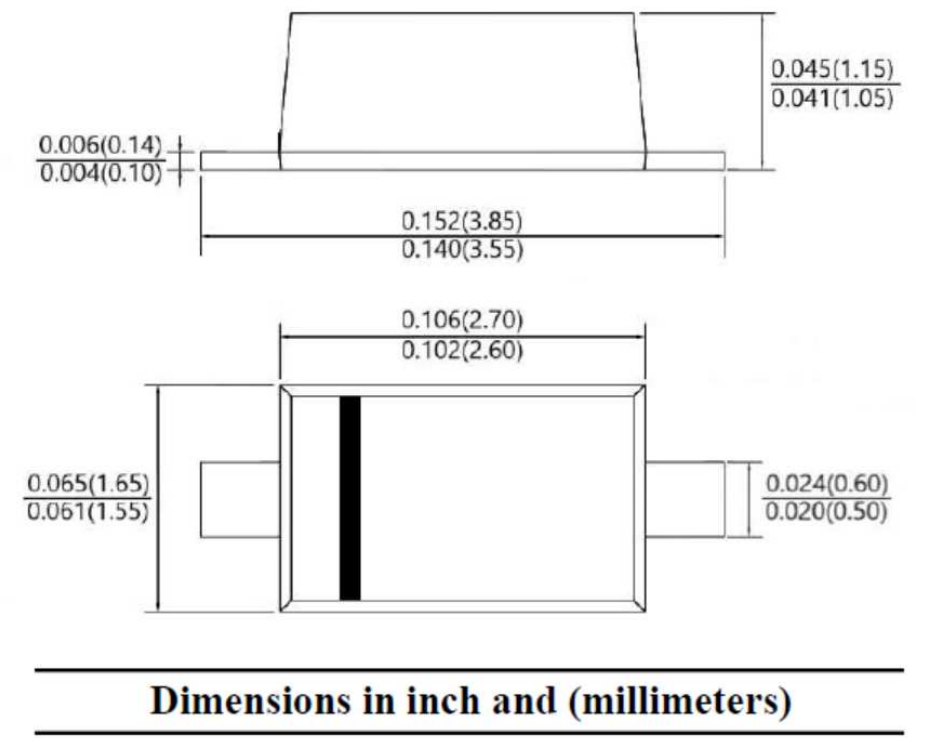
Symbol	Conditions	Typ	Max	Unit
V _F	I _F =0.1mA I _F =10mA I _F =250mA	- - -	0.25 0.45 1.0	V
I _R	V _R =1.5V V _R =1.5V, T _J =60°C V _R =1.0V V _R =1.0V, T _J =60°C V _R =50V V _R =50V, T _J =60°C V _R =75V V _R =75V, T _J =60°C	- - - - - - - -	0.5 5.0 0.8 7.5 2.0 15 5.0 20	μA
C	Total Capacitance V _R =0V, f=1.0MHz	20	-	pF

Typical Characteristics



Package Dimension





SOD-123





NOTICE

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