



Schottky Barrier Diode

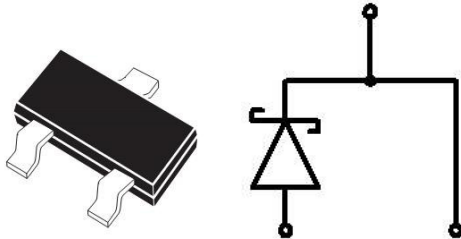
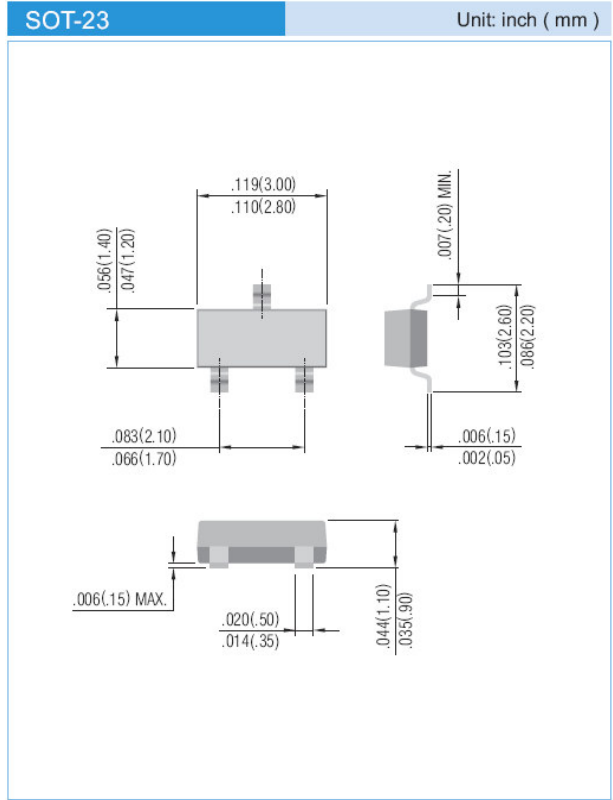
VOLTAGE	40Volts	POWER	500mA
---------	---------	-------	-------

FEATURES

- High Reliability
- Low Reverse Current
- Ultra High-speed Switching

MECHANICAL DATA

- Case : SOT-23, Plastic
- Terminals : Solderable per MIL-STD-202G, Method 208
- Approx. Weight : 0.08 gram
- Marking : 11D



ABSOLUTE RATINGS (T_A=25°C)

Parameter	Symbol	Value	Units
Reverse Voltage	V _{RM}	40	V
Average Rectified Forward Current	I _O	500	mA
Forward Current Surge Peak (t=8.3ms)	I _{FSM}	3	A
Junction Temperature	T _J	125	°C
Storage Temperature	T _{STG}	-40 to +125	°C



ELECTRICAL CHARACTERISTICS (T_A=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Units	Conditions
Forward Voltage	V _F	-	-	0.5	V	I _F = 500mA
		-	-	0.3	V	I _F = 10mA
Reverse Current	I _R	-	-	30	μA	V _R = 10V
Junction Capacitance	C _J	-	16	-	pF	V _R = 10V, f=1MHz



ELECTRICAL CHARACTERISTICS CURVE

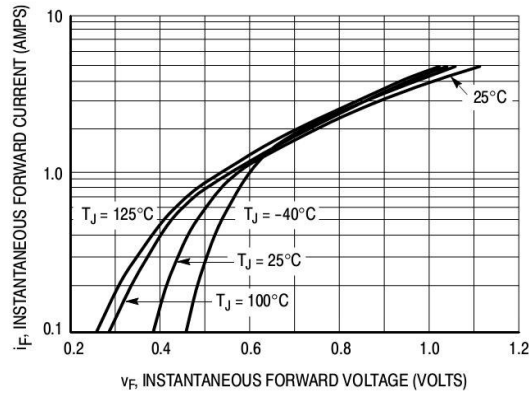


Fig. 1. Typical Forward Voltage

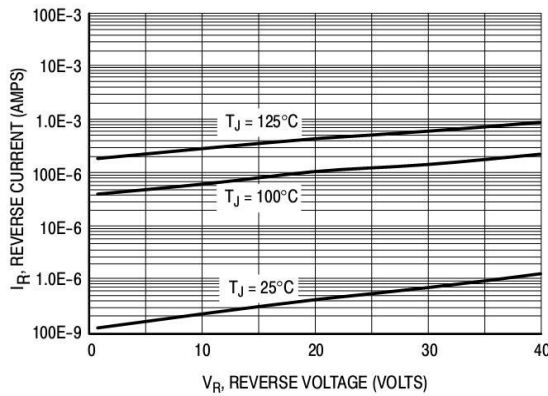


Fig. 2. Typical Reverse Current

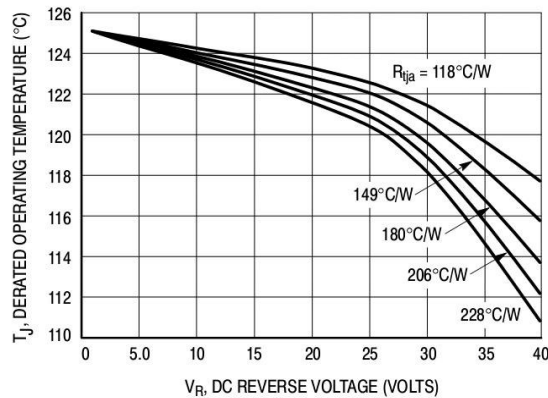
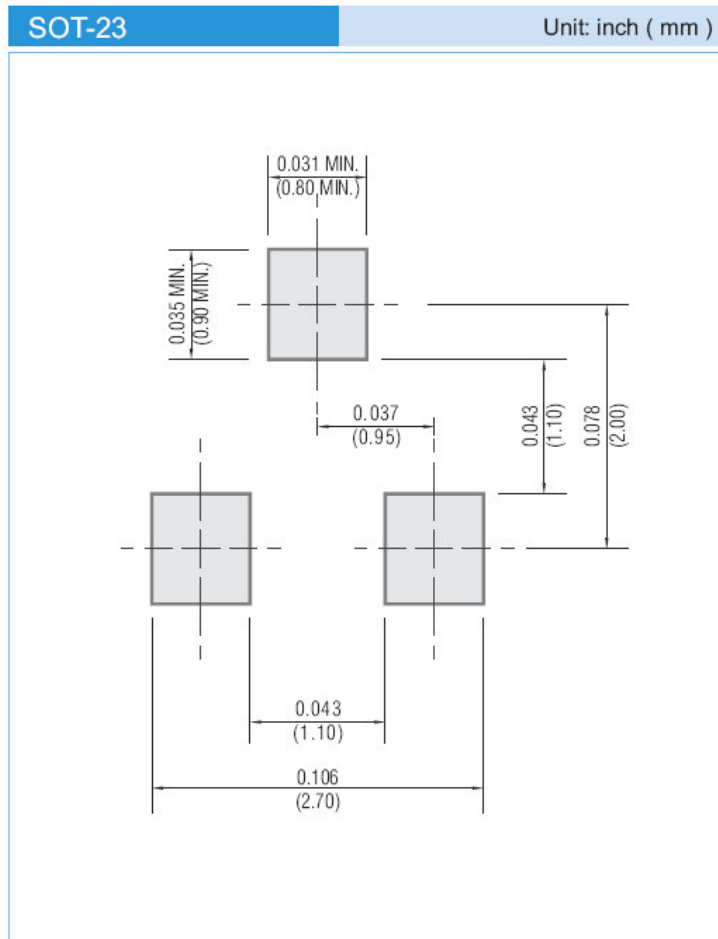


Fig. 3. Typical Operating Temperature Derating



MOUNTING PAD LAYOUT



LEGAL STATEMENT

Copyright PanJit International, Inc 2006

The information presented in this document is believed to be accurate and reliable. The specifications and information herein are subject to change without notice. Pan Jit makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose. Pan Jit products are not authorized for use in life support devices or systems. Pan Jit does not convey any license under its patent rights or rights of others.