

Schottky Barrier Diode

VOLTAGE
40Volt
71 FF9BH
500mA

FEATURES

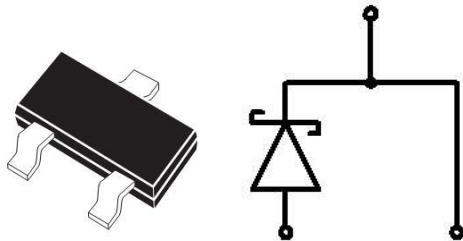
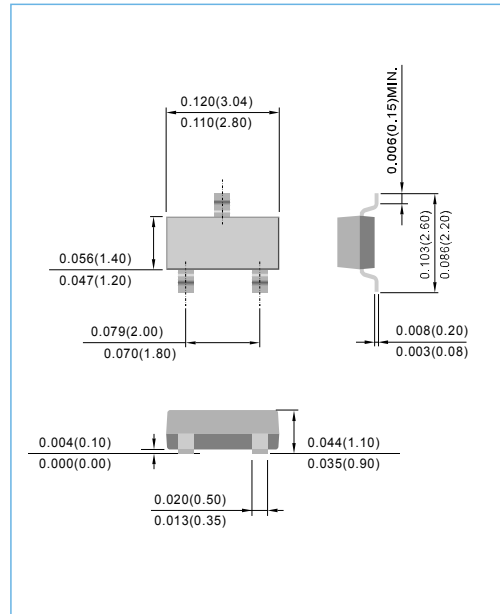
- High Reliability
- Low Reverse Current
- Ultra High-speed Switching
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case : SOT-23, Plastic
- Terminals : Solder plated, solderable per MIL-STD-750, Method2026
- Approx. Weight : 0.0003 ounces, 0.0084 grams
- Marking : 11D

SOT-23

Unit : inch(mm)



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	uA	V _R = 10V
Junction Capacitance	C _J	-	16	-	pF	V _R = 10V, f=1MHz

ELECTRICAL CHARACTERISTICS CURVE

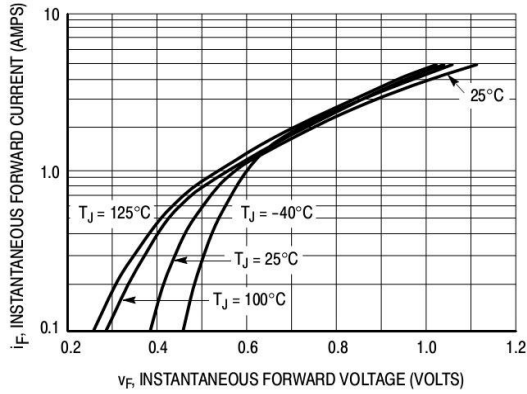


Fig. 1. Typical Forward Voltage

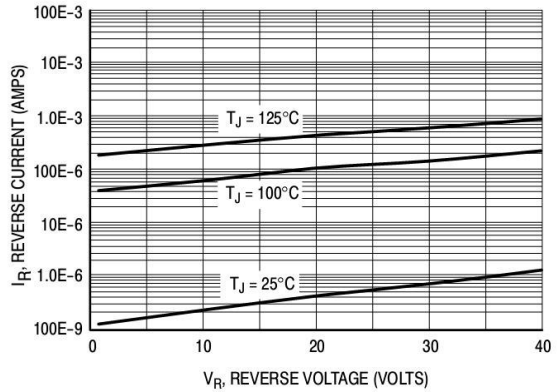


Fig. 2. Typical Reverse Current

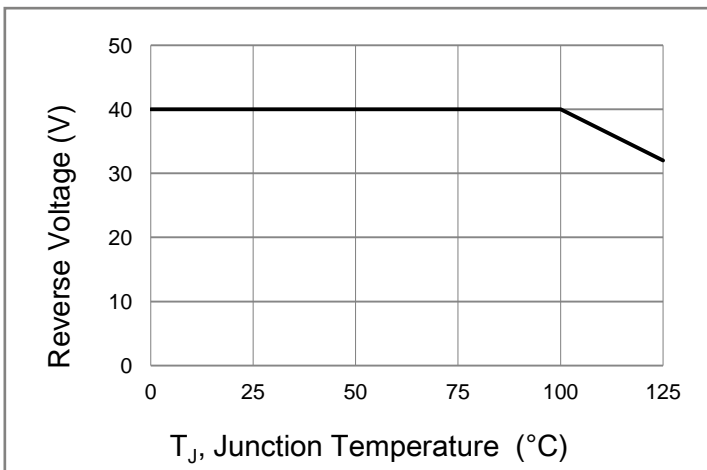


Fig.4 Operating Temperature Derating Curve

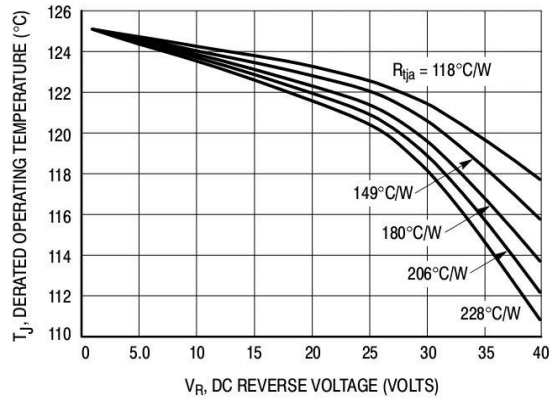
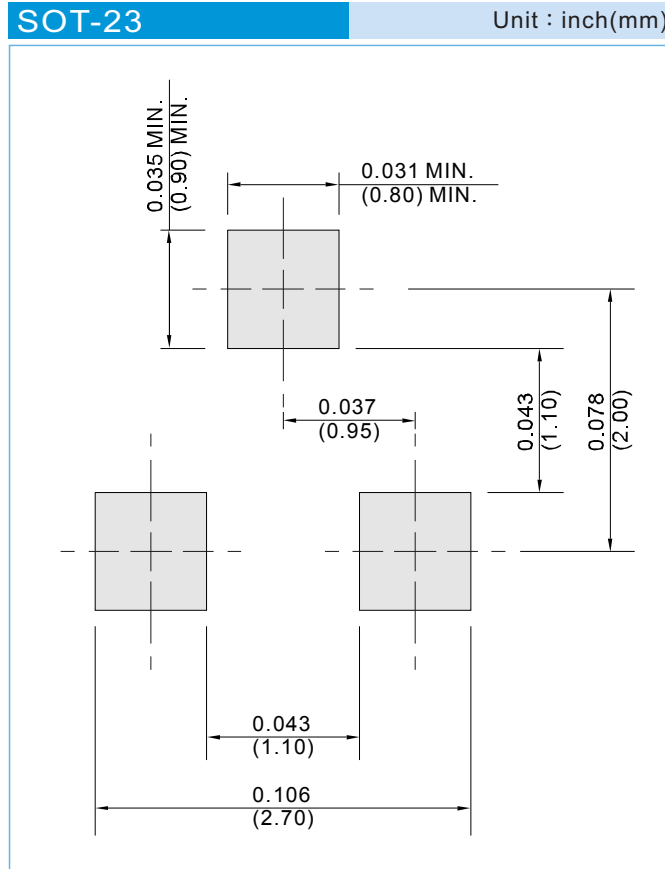


Fig. 3. Typical Operating Temperature Derating

MOUNTING PAD LAYOUT





RB411D

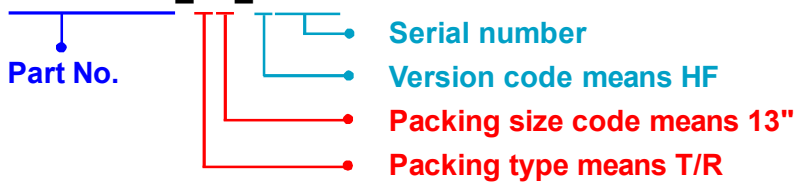
Part No_packing code_Version

RB411D_R1_00001

RB411D_R2_00001

For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			



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