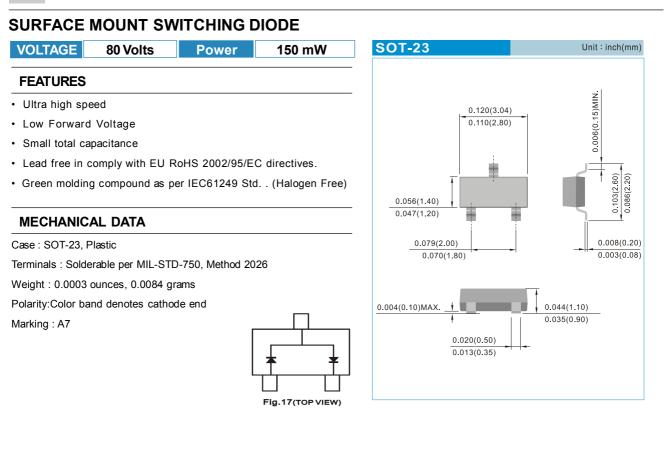


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MAXIMUM RATINGS (TA=25°C unless otherwise noted)

PARAMETER	SYMBOL	VALUE	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	80	v
Maximum RMS Voltage	Vrms	56	V
Maximum DC Blocking Voltage	VR	80	V
Average Rectified Output Current	I F(AV)	100	mA
Peak forward Surge Current : 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	2	А
Maximum Power Dissipation	PD	150	mW
Typical Thermal Resistance, Junction to Case (Notes	1) Rejc	220	°C/W
Operating Junction Temperature and Storage Temperature range	TJ,TSTG	-55 to + 125	°C

Notes :

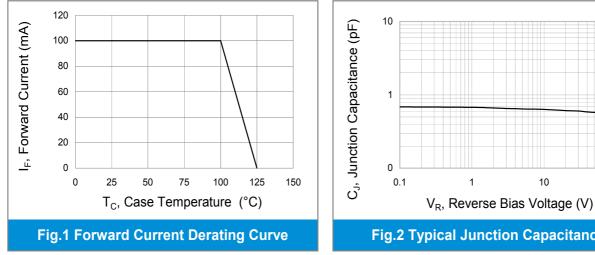
1.Mounted on an FR4 PCB, single-sided copper, with 48cm² copper pad area.

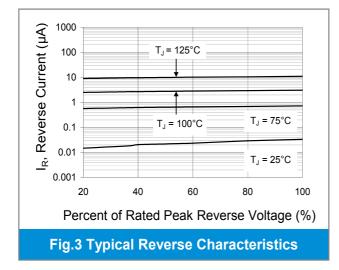


ELECTRICAL CHARACTERISTICS (TA=25 C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITIONS		MIN.	TYP.	MAX.	UNIT
Breakdown voltage	Vbr	Ι κ=100 μΑ	T _A =25°C	80	-	-	V
Instantaneous forward voltage	VF	F=1mA F=10mA F=100mA F=1mA F=10mA	TA=25°C TA=125°C		0.60 0.71 0.92 0.40 0.55	- - 1.2 -	v
		IF=100mA VR=30V	TA=25°C	-	0.79	- 0.1	μA
Reverse current	l r	VR=80V	TA=25°C	-	-	0.5	μA
Total capacitance	CJ	V _R =0V,f=1MHz		-	0.9	3.0	pF

RATING AND CHARACTERISTIC CURVES

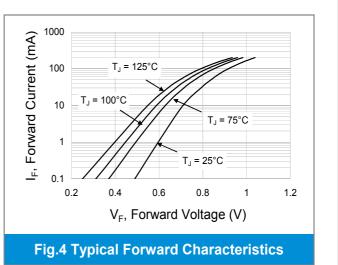






10

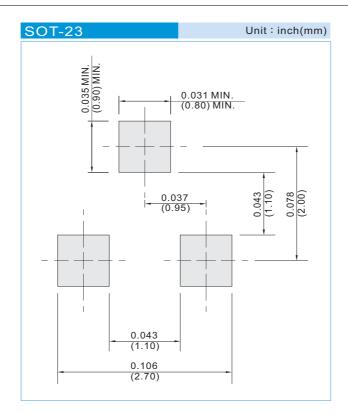
100





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MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information
T/R - 12K per 13" plastic Reel
T/R - 3K per 7" plastic Reel



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Part No_packing code_V FÙÙŒĴ _R1_00001 FÙÙŒĴ _R2_00001	ersion	
For example : RB500V-40_R2_00001 Part No.	Serial number Version code means HF Packing size code means 13" Packing type means T/R	

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)	Α	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	В	13"	2			
Tube Packing (T/P)	т	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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