

MAXIMUM RATINGSAND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz.

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PARAMETER	SYMBOL	1U1G	1U2G	1U3G	1U4G	1U5G	1U6G	1U7G	UNITS
Maximum Recurrent Peak Reverse Voltage		50	100	200	400	600	800	1000	v
Maximum RMS Voltage		35	70	140	280	420	560	700	v
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Current 0.375"(9.5mm) lead length at T _A =55°C	I _{F(AV)}	1						A	
Peak Forward Surge Current : 8.3ms single half sine- wave superimposed on rated load	I _{fsm}	30						А	
Maximum Forward Voltage at 1A	V _F	1 1.3			1.7			V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	1 150					μA		
Typical Junction Capacitance (Note 1)	C	17					рF		
Typical Thermal Resistance (Note 2)	R _{eja}	60						°C / W	
Maximum Reverse Recovery Time (Note 3)	t _{rr}	50			100			ns	
Operating Junction and Storage Temperature Range	Τ _J ,Τ _{stg}	-55 to +150				°C			

NOTES :

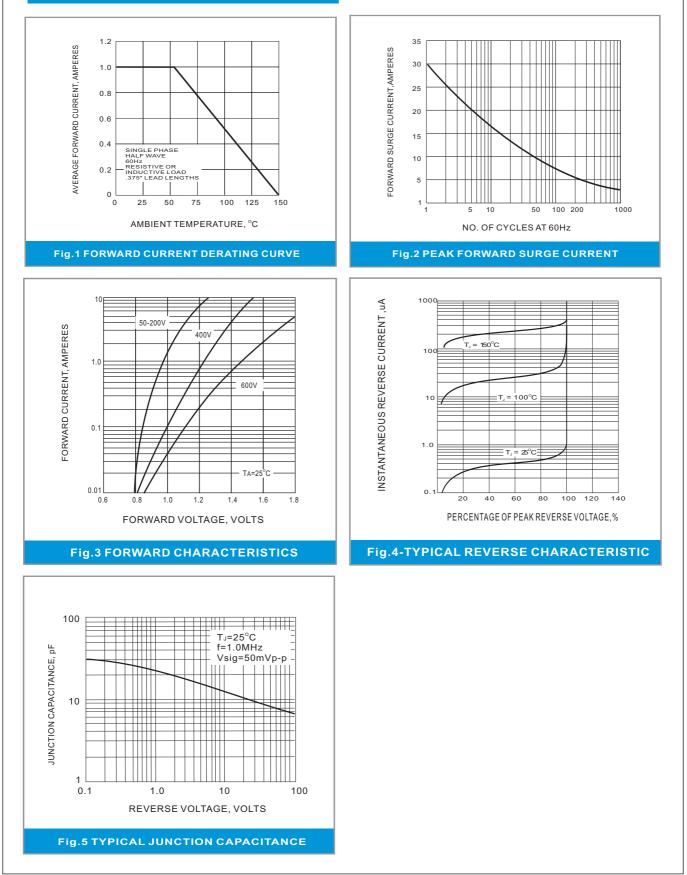
1. Measured at 1 MHz and applied reverse voltage of 4 VDC.

2. Thermal Resistance from Junction to Ambient and from Junction to lead length 0.375"(9.5mm) P.C.B. mounted.

3. Reverse Recovery Time I_F=0.5A ,I_R=1A , I_{rr}=0.25A



RATING AND CHARACTERISTIC CURVES







Part No_packing code_Version

1U1G_AX_00001 1U1G_AX_10001 1U1G_AY_00001 1U1G_AY_10001 1U1G_B0_00001 1U1G_B0_10001 1U1G_R2_00001 1U1G_R2_10001

For example :

RB500V-40_R2_00001



• 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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