

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

PARAMETER	SYMBOL	1F1G	1F2G	1F3G	1F4G	1F5G	1F6G	1F7G	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Current 0.375"(9.5mm) lead length at TA=55°C	Lav	1							A
Peak Forward Surge Current : 8.3 ms single half sine-wave superimposed on rated load	Ifsm	30							A
Maximum Forward Voltage at 1A	VF	1.3						V	
Maximum DC Reverse Current at Rated DC Blocking TJ=25°C Voltage TJ=100°C	IR	1 150						uA	
Typical Junction Capacitance (Note 1)	СJ	12				рF			
Maximum Reverse Recovery Time	Trr	150 250 500			00	ns			
Typical Thermal Resistance	Røja	67				°C / W			
Operating Junction Temperature Range	ТJ	-55 to +150				°C			
Storage Temperature Range	Ts⊤g	-55 to +150				°C			

NOTES:1.Reverse Recovery Test Conditions: I_F =0.5A, I_R =1A, I_{rr} =0.25A

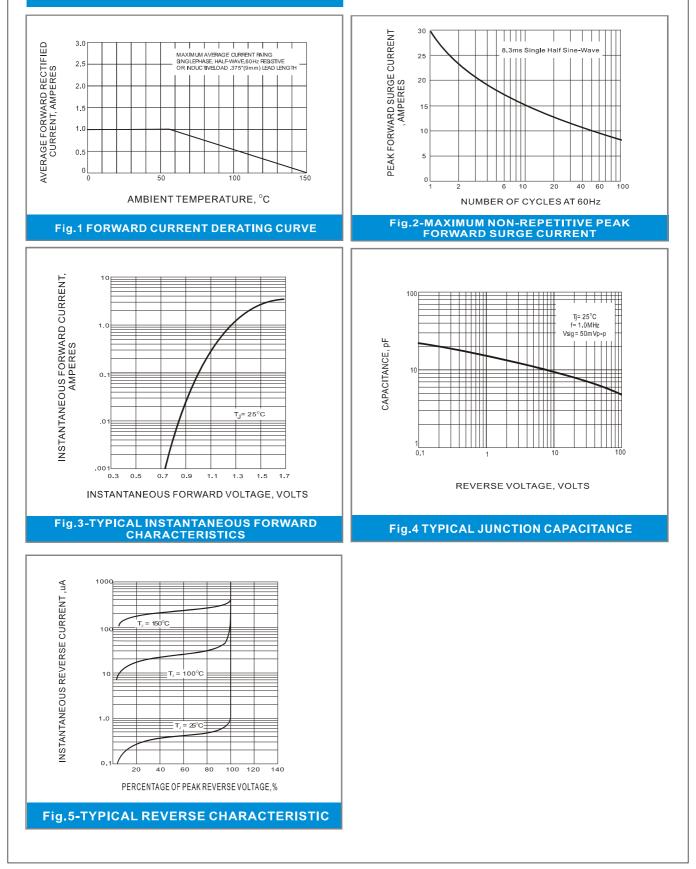
2.Measured at 1 MHz and applied reverse voltage of 4 VDC

3.Thermal resistance from junction to ambient and from junction to lead length 0.375"(9.5mm) P.C.B. mounted with 0.22 x 0.22" (5.5 x 5.5mm) copper pads.



1F1G~1F7G

RATING AND CHARACTERISTIC CURVES





1F1G~1F7G

Part No_packing code_Version

1F1G_AX_00001 1F1G_AY_00001 1F1G_AY_00001 1F1G_AY_10001 1F1G_B0_00001 1F1G_B0_10001 1F1G_R2_00001 1F1G_R2_10001

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						





1F1G~1F7G

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