

For capacitive load, derate current by 20%.

PARAMETER		SYMBOL	FR2D	FR2G	FR2J	FR2K	FR2M	UNITS
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	200	400	600	800	1000	V
Maximum RMS Voltage		Vrms	140	280	420	560	700	V
Maximum DC Blocking Voltage		V _{DC}	200	400	600	800	1000	V
Maximum Average Rectified Current		I _{F(AV)}	2				А	
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load		IFSM	50				A	
Maximum Forward Voltage at 2A		VF	1.3				V	
Maximum DC Reverse Current at Rated DC Blocking $T_{\rm J}$ =25°C Voltage $T_{\rm J}$ =125°C		I _R	1 150					μA
Maximum Reverse Recovery Time (Notes 1)		trr	1	150	250	500		ns
Maximum Junction Capacitance (Notes 2)	unction Capacitance (Notes 2) CJ 40							
Typical Junction Resistance	(Notes 3) (Notes 4) (Notes 5)	R _{θJC}	20 12.5 125			°C / W		
Operating Junction and Storage Temperature Rating		TJ , Tstg	-50 to +150				٥C	

NOTES:1. Reverse Recovery Test Conditions: IF=0.5A, IR=-1A, Irr=-0.25A

2. Measured at 1 MHz and applied V_r = 4 volts.

3. 8mm² (0.013mm thick) land areas.

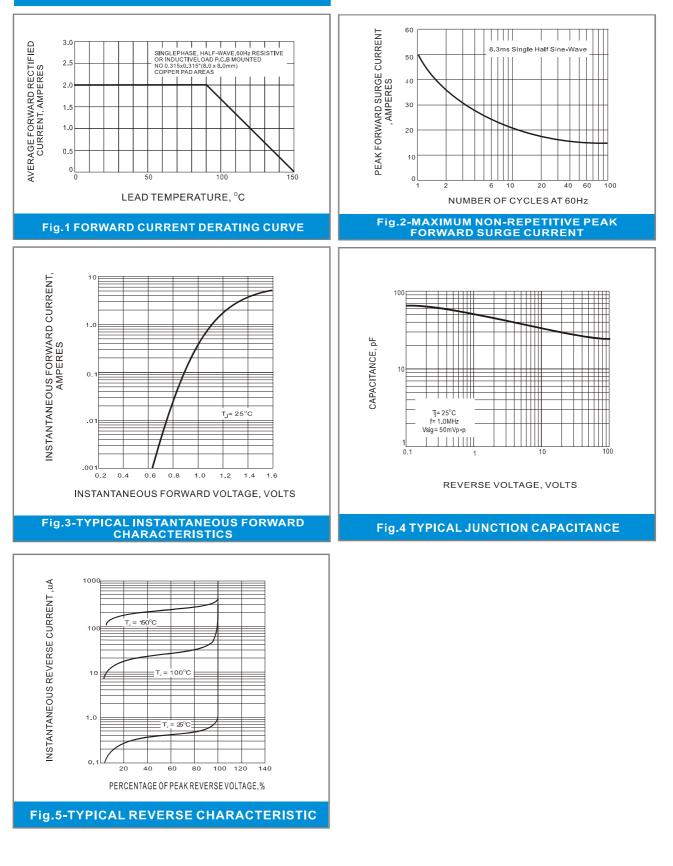
4. Mounted on a FR4 PCB with 100cm² copper pad area

5. Mounted on a FR4 PCB with min. copper pad area .



FR2D ~ FR2M

RATING AND CHARACTERISTIC CURVES





MOUNTING PAD LAYOUT SMB / DO-214AA Unit : inch(mm) Unit : inch(

ORDER INFORMATION

Packing information

T/R - 3K per 13" plastic Reel

T/R - 0.8K per 7" plastic Reel



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Part No._packing code_Version

FR2D_R1_00101 FR2D_R2_00101 FR2G_R1_00101 FR2G_R2_00101 FR2J_R1_00101 FR2J_R2_00101 FR2K_R1_00101 FR2M_R1_00101 FR2M_R2_00101

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)	A	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			





FR2D ~ FR2M

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