

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

PARAMETER	SYMBOL	RS1A	RS1B	RS1D	RS1G	RS1J	UNITS	
Maximum Recurrent Peak Reverse Voltage			50	100	200	400	600	V
Maximum RMS Voltage			35	70	140	280	420	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	V	
Maximum Average Rectified Current at T _L =90 $^{\circ}$ C		I _{F(AV)}	1				А	
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		I _{fsm}	30				A	
Maximum Forward Voltage at 1A			1.3				V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	T _J =25°C T _J =125°C	I _R	1 150				μA	
aximum Reverse Recovery Time (Note 1)		t _{rr}	150 250			250	ns	
Maximum Junction Capacitance (Note 2)		C	12				рF	
Typical Junction Resistance (Note 3)		R _{θJA} R _{θJL}		100 32				°C / W
Operating Junction and Storage Temperature Range			-55 to +150				°C	

NOTES:1. Reverse Recovery Test Conditions: I_F=0.5A, I_R=1.0A, I_{rr}=0.25A

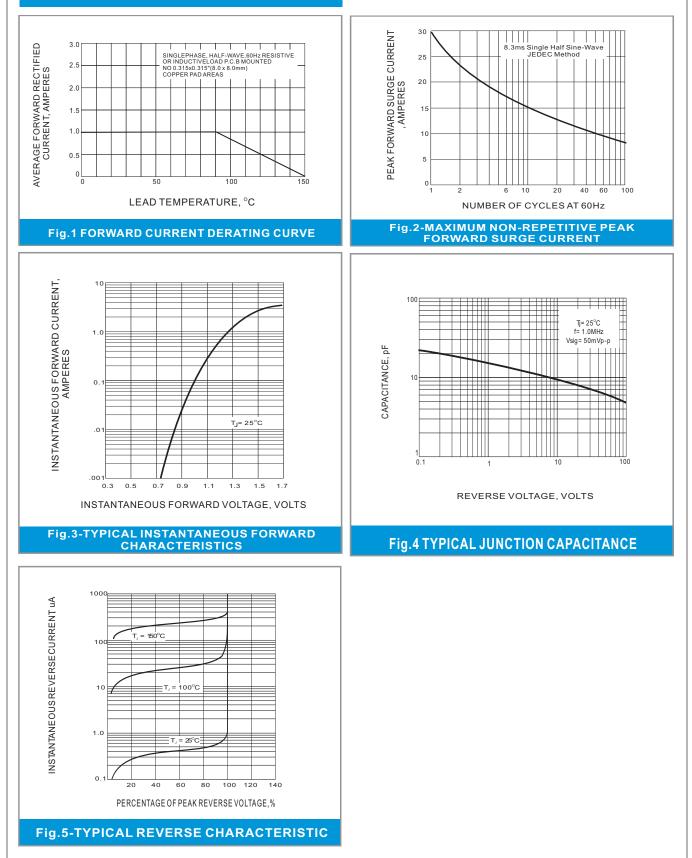
2. Measured at 1 MHz and applied $V_r = 4.0$ volts.

3. 8.0 \mbox{mm}^2 (.013mm thick) land areas.



RS1A~RS1J

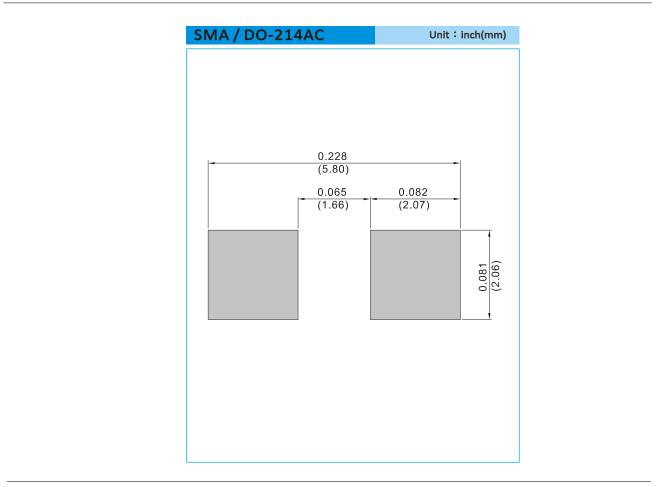
RATING AND CHARACTERISTIC CURVES







MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information

T/R - 7.5K per 13" plastic Reel

T/R - 1.8K per 7" plastic Reel





RS1A~RS1J

Part No_packing code_Version

RS1A_R1_00001 RS1A_R2_00001

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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