

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

PARAMETER	SYMBOL	VALUE	UNIT
Maximum repetitive peak reverse voltage	Vrrm	45	V
Maximum rms voltage	Vrms	32	V
Maximum dc blocking voltage	Vr	45	V
Maximum average forward rectified current	I F(AV)	5	А
Peak forward surge current : 8.3ms single half sine-wave superimposed on rated load	IFSM	120	А
Typical thermal resistance (Note 1)	Røja	135	°C/W
Typical junction capacitance (VR=4V, f=1MHz)	CJ	350	pF
Operating junction temperature range	TJ	-55 to + 150	°C
Storage temperature range	Тѕтс	-55 to + 150	°C

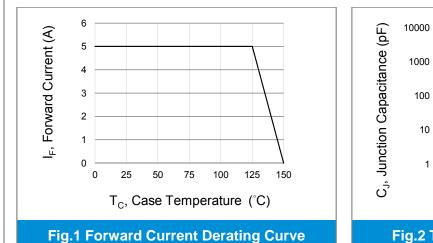
NOTES :

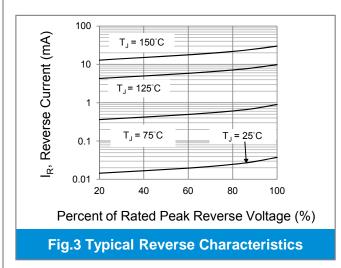
1.Mounted on a FR4 PCB, single-sided copper, mini pad.



ELECTRICAL CHARACTERISTICS(TA=25°C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITIONS		MIN.	TYP.	MAX.	UNIT
Breakdown voltage	Vbr	I R=0.5mA		45	-	-	V
Instantaneous forward voltage	VF	I⊧=1A I⊧=5A	TJ=25°C	-	0.32 0.43	- 0.49	V
		I ⊧=1A I ⊧=5A	TJ=125°C	-	0.23 0.41	-	V
Reverse current	l r	VR=36V		-	25	-	μA
		VR=45V	TJ=25°C TJ=125°C	-	- 10	210 -	μA mA





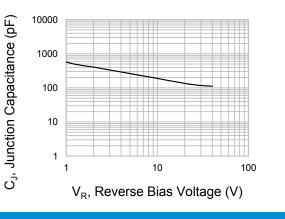
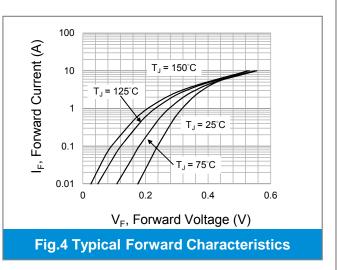
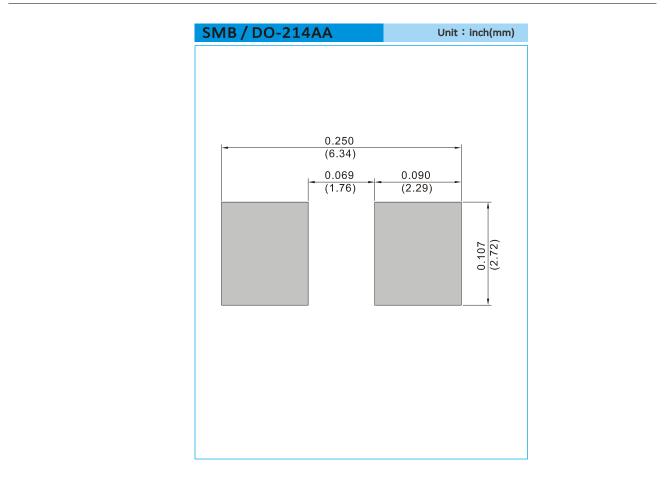


Fig.2 Typical Junction Capacitance





MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 - T/R 3K per 13" plastic Reel
 - T/R 0.5K per 7" plastic Reel





Part No_packing code_Version

SRM54AV_R1_00001 SRM54AV_R2_00001

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)	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			





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