



VOLTAGE 20 to 60 Volt CURRENT 3 Ampere	SMA/DO-214AC	Unit : inch(mm)
FEATURES		
 Plastic package has Underwriters Laboratory Flammability Classification 94V-O For surface mounted applications in order to optimize board space Low power loss, high efficiency High surge capacity Lead free in compliance with EU RoHS 2.0 Green molding compound as per IEC 61249 standard 	(091)2500 001)2500 0010 0.181(4.60) 0.157(4.00)	0.114(2.90)
MECHANICAL DATA • Cæse : JEDEC DO-214AC molded plætic • Terminals : Solder plated, solderæle per MIL-STD-750,Method 2026 • Polarity : Color band denotes cathode end • Standard packaging : 12mm tæpe (EIA-481) • Weight : 0.0023 ounces, 0.0679 grams	0.060(1.52) 0.030(0.76) 0.188(4.80)	
O 1 Cathode Anode		
AXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS		

PARAMETER		SYMBOL	SX32	SX33	SX34	SX35	SX36	UNITS
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	20	30	40	50	60	V
Maximum RMS Voltage		V _{rms}	14	21	28	35	42	V
Maximum DC Blocking Voltage		V _{DC}	20	30	40	50	60	v
Maximum Average Forward Current		I _{F(AV)}			3			А
Peak Forward Surge Current : 8.3ms single half sine- superimposed on rated load	wave	I _{fsm}			80			А
Maximum Forward Voltage at 3A (Note 1)		V _F		0.5		0.	75	v
Maximum DC Reverse Current at Rated DC Blocking Voltage	T _J =25°C T _J =100°C	I _R		0.2 20	0.1 20			mA
Typical Thermal Resistance	(Note 2) (Note 3)	$f R_{_{ heta JL}} \ R_{_{ heta JA}}$			25 150			°C / W
Operating Junction and Storage Temperature Range		T_{J},T_{STG}	-55 to +125 -55 to +150		50	°C		

NOTES :

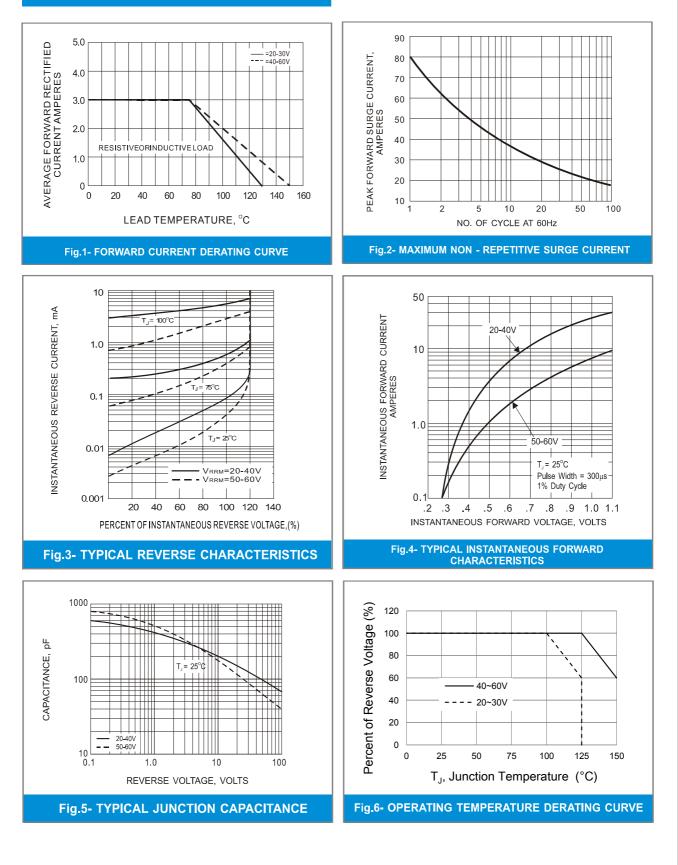
1. Pulse Test with PW =300µsec, 1% Duty Cycle.

2. Mounted on a FR4 PCB, single-sided copper, with 100cm 2 copper pad area.

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

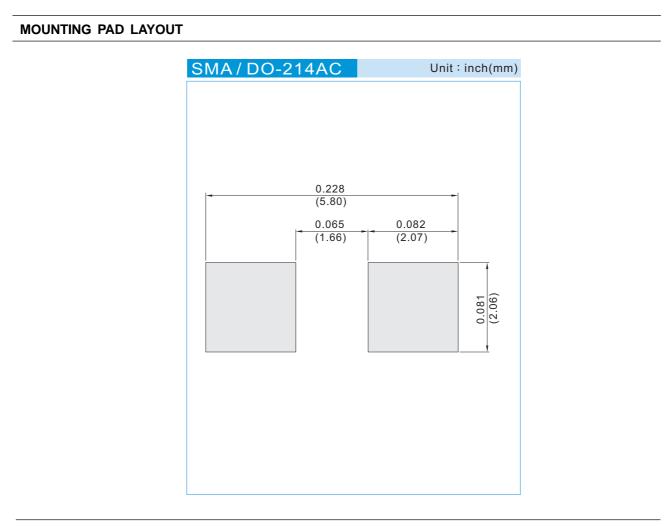


RATING AND CHARACTERISTIC CURVES









ORDER INFORMATION

Packing information

T/R - 7.5K per 13" plastic Reel

T/R - 1.8K per 7" plastic Reel





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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