

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

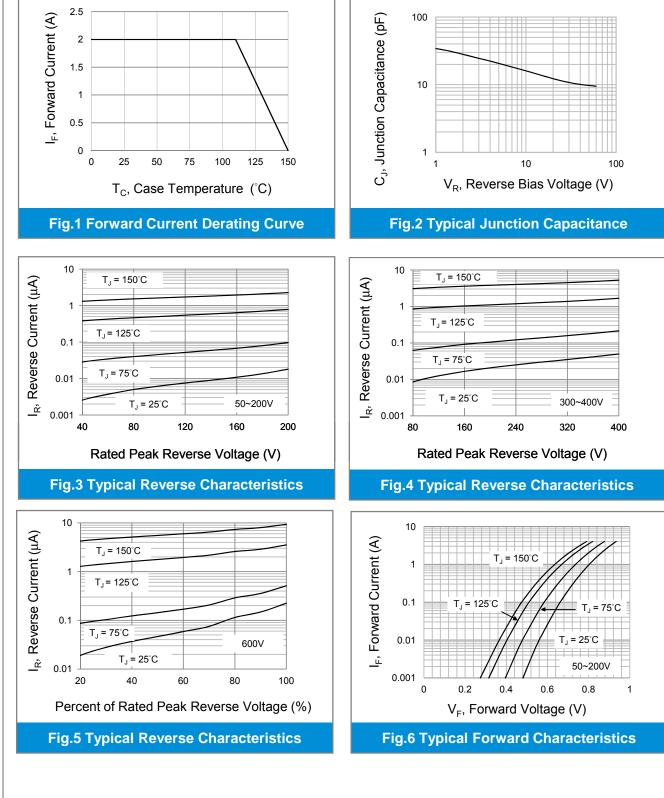
Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

PARAMETER	SYMBOL	ES2A	ES2B	ES2C	ES2D	ES2E	ES2G	ES2J	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	150	200	300	400	600	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	105	140	210	280	420	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	150	200	300	400	600	V
Maximum Average Forward Current	I <sub>F(AV)</sub>	2						А	
Peak Forward Surge Current : 8.3ms single half sine-way superimposed on rated load	e I <sub>FSM</sub>	50						A	
Maximum Forward Voltage at 2A		0.95 1.25 1.7			1.7	V			
Maximum DC Reverse Current at Rated DC Blocking Voltage	I <sub>R</sub>				1				μA
Maximum Reverse Recovery Time (Note 3)	m Reverse Recovery Time (Note 3) t <sub>rr</sub> 35					ns			
Typical Junction Capacitance Measured at 1MHz and applied V <sub>R</sub> =4V	C	25						рF	
Typica Thermal Resistance (Note 2) (Note 1)	0JA	150 30						°C / W	
Operating Junction and Storage Temperature Range	T <sub>J</sub> ,T <sub>stg</sub>	-55 to +150						°C	

#### NOTES :

- 1.Mounted on a FR4 PCB, single-sided copper, with 100cm<sup>2</sup> copper pad area.
- 2.Mounted on a FR4 PCB, single-sided copper, mini pad.
- 3.Reverse Recovery Test Conditions:  $I_{\text{F}}\text{=}0.5\text{A}$  ,  $I_{\text{R}}\text{=}1\text{A}$  Irr=0.25A.



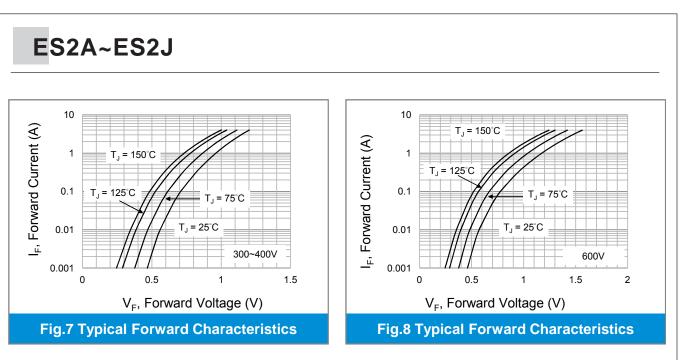




ES2A~ES2J









# ES2A~ES2J MOUNTING PAD LAYOUT SMA / DO-214AC Unit : inch(mm) 0.228 (5.80) 0.065 0.082 (1.66) (2.07) 0.081 (2.06)

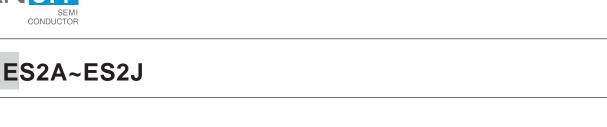
#### ORDER INFORMATION

Packing information

T/R - 7.5K per 13" plastic Reel

T/R - 1.8K per 7" plastic Reel





## Part No\_packing code\_Version

ES2A\_R1\_00001 ES2A\_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 XXXXXX				
Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> 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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Panjit: ES2G\_R1\_00001 ES2G\_R2\_00001