

Rating at 25° C ambient temperature unless otherwise specified. Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	ES5J	UNIT
Maximum Recurrent Peak Reverse Voltage	Vrrm	600	V
Maximum RMS Voltage	Vrms	420	V
Maximum DC Blocking Voltage	VDC	600	V
Maximum Average Forward	I _F (AV)	5.0	А
Rectified Current			A
Peak Forward Surge Current			
8.3ms Single Half Sine-Wave	IFSM	125	А
Super Imposed on Rated Load(JEDEC Method)			
Peak Forward Voltage at 5.0A DC	Vf	1.70	V
Maximum peak reverse current full cycle@TJ=75 $^\circ\!\!\mathbb{C}$	IR(AV)	30	μA
Maximum Reverse Recovery Time(Note 1)	Trr	35	nS
Maximum reverse current TJ=25 ℃ TJ= 100℃	I _R	10 100	μA
Typical Junction Capacitance (Note2)	CJ	50	pF
Typical Thermal Resistance (Note3)	Reja	75	°C/W
Operating Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	Тѕтд	-55 to +150	Ĉ
NOTES: 1 Measured with IE-0.54 Jp-14 Jpp-0.254	· · · · ·		

NOTES: 1.Measured with IF=0.5A, IR=1A, IRR=0.25A

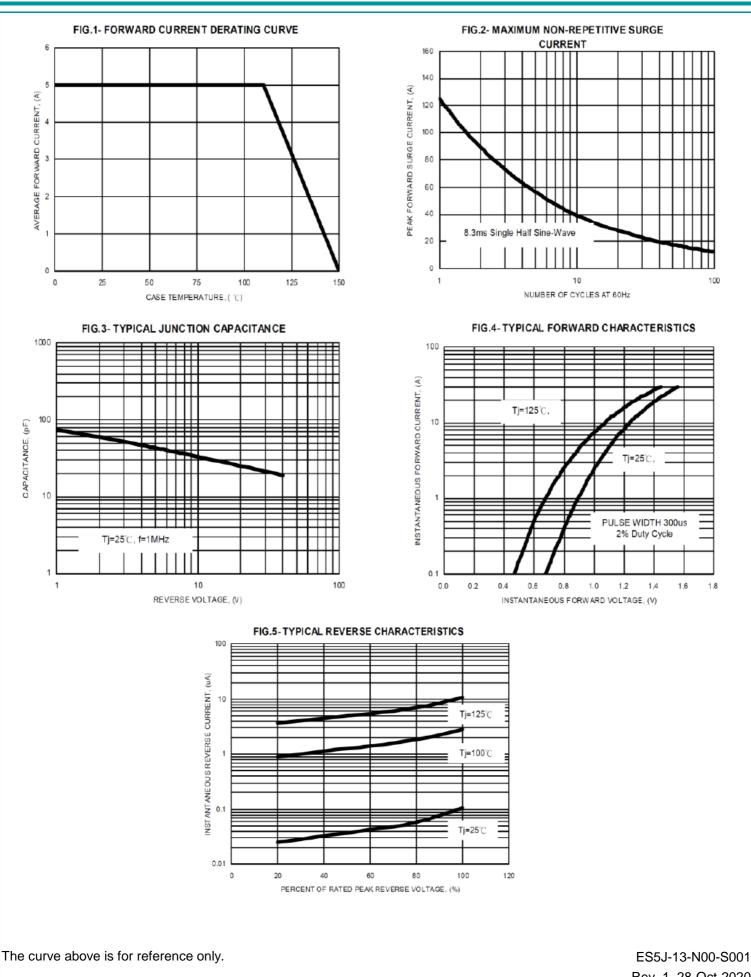
2.Measured at 1.0 MHz and applied reverse voltage of 4.0V DC

3. Thermal resistance junction to ambient.

4. The typical data above is for reference only.

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RATING AND CHARACTERTIC CURVES ES5J



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