

ES2A~ES2J



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		$V_{\rm RRM}$	50	100	150	200	300	400	600	V
Maximum RMS Voltage		V _{rms}	35	70	105	140	210	280	420	V
Maximum DC Blocking Voltage		V _{DC}	50	100	150	200	300	400	600	V
Maximum Average Forward Current		$I_{F(AV)}$	2							А
Peak Forward Surge Current : 8.3ms single half sine-v superimposed on rated load	wave	I _{fsm}	50						А	
Maximum Forward Voltage at 2A		V _F	0.95 1.25 1.7				1.7	V		
Maximum DC Reverse Current at Rated DC Blocking Voltage		I _R	1						μA	
Maximum Reverse Recovery Time (Note	e 3)	t _{rr}	35						ns	
Typical Junction Capacitance Measured at 1MHz and applied V _R =4V		C	25						рF	
Typica Thermal Resistance (Note (Note	,	$R_{_{ extsf{ hetaJA}}} \ R_{_{ hetaJC}}$	150 30							°C / W
Operating Junction and Storage Temperature Range			-55 to +150							°C

NOTES :

1. Mounted on a FR4 PCB, single-sided copper, with 100 cm² 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.











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MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information

T/R - 7.5K per 13" plastic Reel

T/R - 1.8K per 7" plastic Reel



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