

Rating 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%

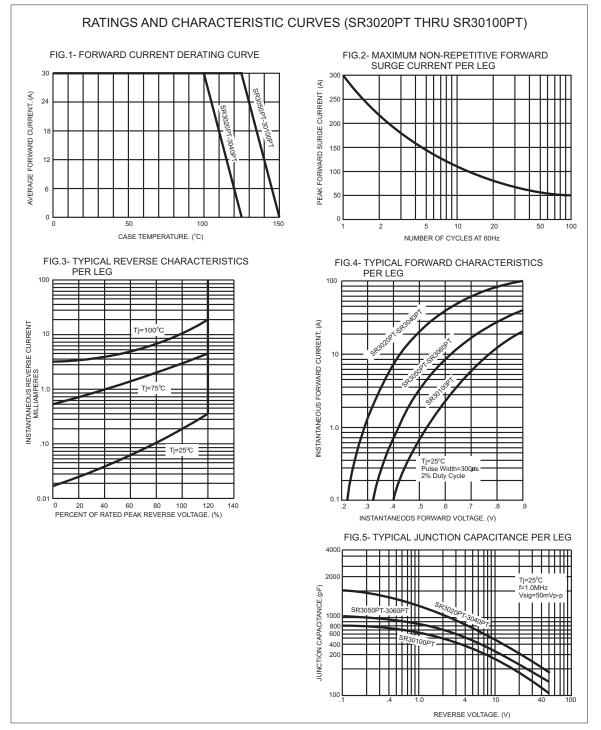
Type Number	Symbol	SR30 20PT	SR30 30PT	SR30 40PT	SR30 50PT	SR30 60PT	SR30 100PT	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	30	40	50	60	100	V
Maximum RMS Voltage	V _{RMS}	14	21	28	35	42	70	V
Maximum DC Blocking Voltage	V _{DC}	20	30	40	50	60	100	V
Maximum Average Forward Rectified Current at Tc=100℃	I _(AV)	30						А
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	300					A	
Maximum Instantaneous Forward Voltage @ 15.0A (Note 3)	V _F	0.55			0.	70	0.90	V
Maximum D.C. Reverse Current @ Tc=25℃ at Rated DC Blocking Voltage @ Tc=100℃	I _R	1.0 2.0 75					mA mA	
Typical Thermal Resistance Per Leg (Note 1)	$R\theta_{JC}$	1.5						°C/₩
Typical Junction Capacitance (Note 2)	Cj	750		500		340	pF	
Operating Junction Temperature Range	TJ	-65 to +125 -65 to +150				Ĉ		
Storage Temperature Range	T _{STG}	-65 to +150						C

Notes: 1. Thermal Resistance from Junction to Case Per Leg, with Heatsink size (4" x 6" x 0.25") Al-Plate.

2. Measured at 1 MHz and Applied Reverse Voltage of 4.0V D.C.

3. 300 us Pulse Width, 2% Duty Cycle





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Datasheets for electronics components.