

Single phase, half wave, 60 Hz, resistive or inductive load.

Type Number	SR3020PT	SR3030PT	SR3040PT	SR3050PT	SR3060PT	Units
Maximum Recurrent Peak Reverse Voltage	20	30	40	50	60	V
Maximum RMS Voltage	14	21	28	35	42	V
Maximum DC Blocking Voltage	20	30	40	50	60	V
Maximum Average Forward Rectified Current at Tc=100°C	30					А
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	275					A
Maximum Instantaneous Forward Voltage @ 15.0A (Note 3)	0.55 0.70				V	
Maximum D.C. Reverse Current @ Tc=25°C at Rated DC Blocking Voltage @ Tc=100°C	1.0 75					mA mA
Typical Thermal Resistance Per Leg (Note 1)	1.5					°C/W
Typical Junction Capacitance (Note 2)	750 5			00	pF	
Operating Junction Temperature Range T _J		-65 to +125		-65 to +150		°C
Storage Temperature Range TSTG	-65 to +150					°C

Notes: 1. Thermal Resistance from Junction to Case Per Leg.

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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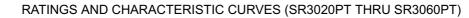
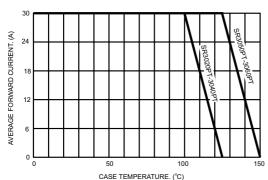


FIG.1- FORWARD CURRENT DERATING CURVE





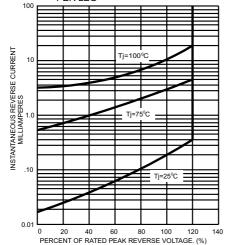
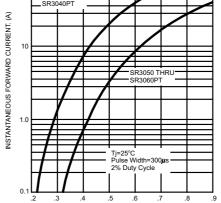


FIG.2- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER LEG 300 PEAK FORWARD SURGE CURRENT. (A) 250 200 150 100 50 0 2 5 10 20 50 100 1 NUMBER OF CYCLES AT 60Hz FIG.4- TYPICAL FORWARD CHARACTERISTICS PER LEG 100 SR3020 THRU SR3040PT



INSTANTANEODS FORWARD VOLTAGE. (V)

