

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

For capacitive load, derate current by 20%

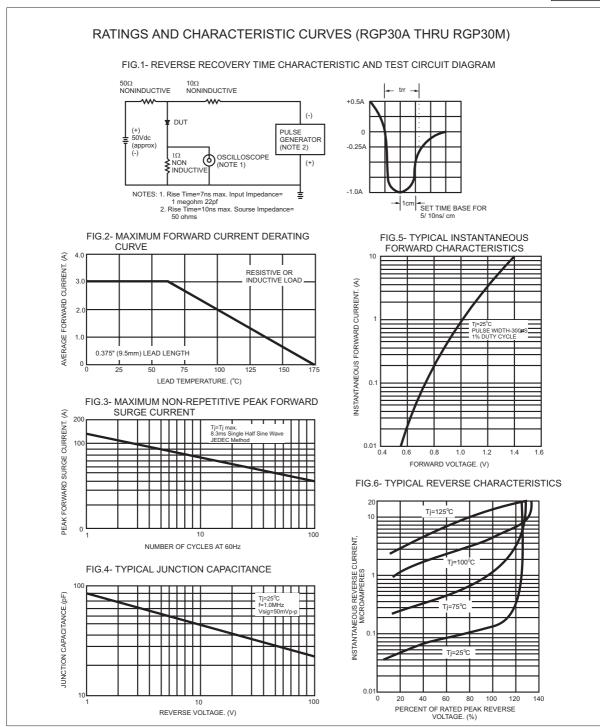
For capacitive load, derate current by 20%									
Type Number	Symbol	RGP	RGP	RGP	RGP	RGP	RGP	RGP	Units
		30A	30B	30D	30G	30J	30K	30M	
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375" (9.5mm) Lead Length @ $T_A = 55^{\circ}C$	I <sub>(AV)</sub>	3.0							А
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method )	I <sub>FSM</sub>	125							А
Maximum Instantaneous Forward Voltage @ 3.0A	VF	1.3							V
Maximum DC Reverse Current@ $T_A=25^{\circ}C$ at Rated DC Blocking Voltage @ $T_A=125^{\circ}C$	I <sub>R</sub>	5.0 100							uA uA
Maximum Reverse Recovery Time ( Note 1 ) T_J=25 $^\circ\!\!\mathbb{C}$	Trr	150 250			500		nS		
Typical Junction Capacitance (Note 2)	Cj	60							pF
Typical Thermal Resistance (Note 3)	RθJA	25							°C/₩
	$R \theta JL$	6.5							
Operating & Storage Temperature Range	T <sub>J</sub> /TSTG	-65 to + 175							°C

Notes: 1. Reverse Recovery Test Conditions:  $I_F=0.5A$ ,  $I_R=1.0A$  Recover to 0.25A.

2. Measured at 1.0 MHz and Applied Reverse Voltage of 4.0 Volts.

3. Thermal Resistance from Junction to Ambient and from Junction to Lead at 0.375"(9.5mm) Lead Length P.C.B. Mounted.





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