

## **Maximum Ratings and Electrical Characteristics**

Rating at 25℃ ambient temperature unless otherwise specified.

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

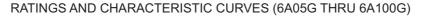
For capacitive load, derate current by 20%

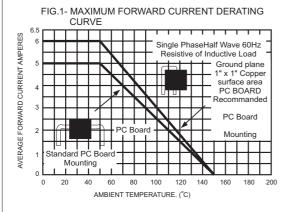
Type Number	Symbol	6A 05G	6A 10G	6A 20G	6A 40G	6A 60G	6A 80G	6A 100G	Units
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length $@T_A = 50^{\circ}C$	I <sub>(AV)</sub>	6.0							Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I <sub>FSM</sub>	250							Α
Maximum Instantaneous Forward Voltage @6.0A	V <sub>F</sub>	1.	.1	1.0					V
Maximum DC Reverse Current @ $T_A$ =25°C at Rated DC Blocking Voltage @ $T_A$ =125°C	I <sub>R</sub>	10 100							uA uA
Typical Junction Capacitance (Note 1)	Cj	60							рF
Typical Thermal Resistance (Note 2)	$R\theta_{JA}$	35							oC/W
Operating and Storage Temperature Range	$T_J, T_{STG}$	- 65 to + 150							Ç

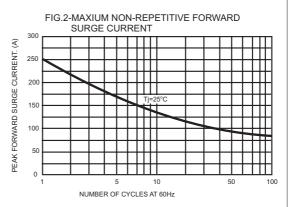
Notes: 1. Measured at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C.

2. Mount on Cu-Pad Size 16mm x 16mm on P.C.B.









## FIG.3- TYPICAL FORWARD CHARACTERISTICS

