

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature uniess otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER	6A05	6A1	6A2	6A4	6A6	6A8	6A10	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current					•		•	
.375"(9.5mm) Lead Length at Ta=60°C	6.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)	400						A	
Maximum Instantaneous Forward Voltage at 6.0A	0.95					V		
Maximum DC Reverse Current Ta=25°C	10.0							mA
at Rated DC Blocking Voltage Ta=100℃	400							mA
Typical Junction Capacitance (Note 1)	100							pF
Typical Thermal Resistance RqJA (Note 2)	10					°C/W		
Operating and Storage Temperature Range TJ, Tstg	-65-+175							°C

NOTES:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance from Junction to Ambient .375" (9.5mm) lead length.

