

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistiver or inductive load. For capacitive load, derate current by 20%

Type Number		LL 4001	LL 4002	LL 4003	LL 4004	LL 4005	LL 4006	LL 4007	UNITS
Maximum Repetitive Peak Reverse Voltage	Vrr M	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	Vrm s	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375"(9.5mm) Lead length @ TA=75°C	IF(AV )	1.0							А
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	30							А
Maximum Instantaneous Forward Voltage @1.0A	VF	1.1							V
Maximum DC Reverse Current@ TA=25°Cat rated DC blocking voltage@ TA=125°C	IR	5.0 100							μ Α μ Α
Maximun Full Load Reverse Current.,Full Cycle Average .375"(9.5mm) Lead Length @TI=50°C	IR	30							μA
Typical Junction Capacitance (Note 1)	CJ	15							pF
Typical Thermal Resistance (Note 2)	R*JA	50							°C /w
Operating and storage Temperature Range	TJ,Tst G	-65 to +150							°C

**NOTES:** 1.Measure at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C.

2. Thermal Resistance from Junction Ambient .375" (9.5mm) Lead Length.

## RATING AND CHARACTERISTIC CURVES LL4001 THRU LL4007





