

## 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		SL54	UNITS
Maximum Recurrent Peak Reverse Voltage		40	V
Maximum RMS Voltage		28	V
Maximum DC Blocking Voltage		40	V
Maximum Average Forward Rectified	Current		
See Fig. 1		5.0	A
Peak Forward Surge Current, 8.3 ms	single half sine-wave		
superimposed on rated load (JEDEC method)		120	А
Maximum Instantaneous Forward Voltage at 5.0A		0.46	V
Maximum DC Reverse Current	Ta=25°C	0.2	mA
at Rated DC Blocking Voltage	Ta=100°C	50	mA
Typical Junction Capacitance (Note1)		380	pF
Typical Thermal Resistance R JA (Note 2)		70	°C/W
Operating Temperature Range TJ		-55-+125	°C
Storage Temperature Range Tsтс		-55-+150	Э°

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

2. Unit mounted on PC board with 5.0mm  $\!\times$  5.0 mm (0.013 mm thick) copper pads as heat sink

## RATING AND CHARACTERISTIC CURVES (SL54)

