

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	SS510L	UNITS
Maximum Recurrent Peak Reverse Voltage	100	V
Maximum RMS Voltage	70	V
Maximum DC Blocking Voltage	100	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	A
Maximum Instantaneous Forward Voltage at 5.0A	0.67	V
Maximum DC Reverse Current Ta=25°C	0.1	mA
at Rated DC Blocking Voltage Ta=125°C	20	mA
Typical Junction Capacitance (Note1)	370	pF
Typical Thermal Resistance R JA (Note 2)	88	°C/W
Operating Temperature Range TJ	-55 -+150	°C
Storage Temperature Range Tsrg	-55 -+150	°C

NOTES:

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

2. Unit mounted on PC board with 5.0mmimes 5.0 mm (0.013 mm thick) copper pads as heat sink

