

## MAXIMUM RATINGES ( At TA = 25°C unless otherwise noted )

RATINGS	SYMBOL	SSM12LLPT	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	20	Volts
Maximum RMS Voltage	Vrms	14	Volts
Maximum DC Blocking Voltage	VDC	20	Volts
Maximum Average Forward Rectified Current	lo	1.0	Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	40	Amps
Typical Junction Capacitance (Note 2)	CJ	110	pF
Typical Thermal Resistance (Note 1)	RθJL	25	°C/W
Operating Temperature Range	TJ	-65 to +125	°C
Storage Temperature Range	Tstg	-65 to +150	°C

## **ELECTRICAL CHARACTERISTICS** ( At $TA = 25^{\circ}C$ unless otherwise noted )

CHARACTERISTICS		SYMBOL	SSM12LLPT	UNITS
Maximum Instantaneous Forward Voltage at 1.0 A DC		VF	0.27	Volts
Maximum Average Reverse Current	@ TA = 25°C	· IR	0.5	mAmps
at Rated DC Blocking Voltage	@ TA = 100°C		10	mAmps

NOTES : 1. Thermal Resistance ( Junction to Lead ) : PC Board Mounted on 0.2 X 0.2" ( 5 X 5mm ) copper pad area. 2. Measured at 1.0 MHz and applied reverse voltage of 4.0 volts.

