

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

RATINGS	SYMBOL	SSM52LHGP	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	5.0	Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	125	Amps
Typical Junction Capacitance (Note 2)	CJ	300	pF
Typical Thermal Resistance (Note 1)	RθJL	15	°C/W
Operating and Storage Temperature Range	TJ, TSTG	-65 to +125	°C

## ELECTRICAL CHARACTERISTICS ( At TA = 25°C unless otherwise noted )

CHARACTERISTICS		SYMBOL	SSM52LHGP	UNITS
Maximum Instantaneous Forward Voltage at 5	0 A DC	VF	0.45	Volts
Maximum Average Reverse Current	@ TA = 25°C	· Ir	1.0	mAmps
at Rated DC Blocking Voltage	@ TA = 100°C		40	mAmps
NOTES 1 Thermal Resistance (Junction to Lead) PC Board Mounted on 0.55 X 0.55" (14 X 14mm) conner pad area				2002-5

NOTES : 1. Thermal Resistance ( Junction to Lead ) : PC Board Mounted on 0.55 X 0.55" ( 14 X 14mm ) copper pad area. 2. Measured at 1.0 MHz and applied reverse voltage of 4.0 volts.

