

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

RATINGS	SYMBOL	SSM12LPT	SSM13LPT	SSM14LPT	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	20	30	40	Volts
Maximum RMS Voltage	Vrms	14	21	28	Volts
Maximum DC Blocking Voltage	VDC	20	30	40	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	50			Amps
Typical Junction Capacitance (Note 2)	CJ	110			pF
Typical Thermal Resistance (Note 1)	RθJL	25			°C/W
Operating and Storage Temperature Range	Тј,Тѕтс	-65 to +125			°C

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

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CHARACTERISTICS		SYMBOL	SSM12LPT	SSM13LPT	SSM14LPT	UNITS
Maximum Instantaneous Forward Voltage at 1.0 A DC		VF	0.38			Volts
Maximum Average Reverse Current	@ TA = 25°C	la la	1.0			mAmps
at Rated DC Blocking Voltage	@ TA = 100°C	l R	40			mAmps
NOTES - 1 Thermal Projectance (Junction to Load) - DC Poord Mounted on 0.2 X 0.2" (5 X 5mm) conner and area						2002-3

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.

