

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

	RATINGS	SYMBOL	SSM12LPT	SSM13LPT	SSM14LPT	UNITS
www.DataShe	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)	$R \theta JL$		25		°C/W
Operating and Storage Temperature Range		TJ,TSTG		-65 to +125		°C

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

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	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 0.2 X 0.2" ( 5 X 5mm ) conner pad 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.

