

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

RATINGS	SYMBOL	SSM5817SGP	SSM5818SGP	SSM5819SGP	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 at $TL = 90^{\circ}C$	lo	1.0			
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method) $TL = 70^{\circ}C$	IFSM	25			
Typical Junction Capacitance (Note 2)	CJ	110			
Typical Thermal Resistance (Note 1)	RθJL	80			
Storage and Operating Temperature Range	TJ, TSTG	-65 to +125			

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

CHARACTERISTICS		SYMBOL	SSM5817SGP	SSM5818SGP	SSM5819SGP	UNITS
Maximum Instantaneous Forward Voltage at 1.0 A DC		VF	0.45	0.55	0.60	Volts
Maximum Average Reverse Current	@ TA = 25°C	l R	1.0			mAmps
at Rated DC Blocking Voltage	@ TA = 100°C		10			mAmps
NOTES: 1 Thermal Resistance (lunction to Lead): PC Roard Mounted on 0.2 X 0.2" (5 X 5mm) conner rad area						2002-9

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

3. ESD sensitive product handling required.

