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SM3F – SM3FG
SP5L – SP5LG
SP5S – SP5SG

Number	Repetitive Peak Reverse Voltage V_{RRM} V(Volts)	Avg. Forward Current Max. I_{FAVM}@T_L=55°C mA (milliamps)	Avg. Forward Current Max. I_{FAVM}@T_L=100°C mA (milliamps)	Max. Forward Voltage Drop V_F@100mA V (Volts)	Typical Reverse Recovery Time (Note 1) T_{RR} (nsec)	Typical Reverse Recovery Time (Note 2) T_{RR} (nsec)	Lead Type
SM3F	3000	900	350	4.6	75	75	Fig 94
SM3FG	3000	900	350	4.6	75	75	Fig 95
SP5L	5000	270	140	14.0	75	100	Fig 94
SP5LG	5000	270	140	14.0	75	100	Fig 95
SP5S	5000	40	20	14.0	60	100	Fig 94
SP5SG	5000	40	20	14.0	60	100	Fig 95

Number	Max. Reverse Current IR@ V_{RRM}@25°C µA (microamps)	Typical Junction Capacitance C_J (pF) (Note 3)	Typical Thermal Resistance $R_{\theta JA}$ °C/W (Note 4)	Typical Thermal Resistance $R_{\theta JL}$ °C/W	Max Surge Current I_{FSM} (8.3 ms) A (Amps)	Operating Temperature T_O (°C)	Storage Temperature T_S (°C)
SM3F	5.0	15	30	7	15	-55 to 125	-55 to 150
SM3FG	5.0	15	30	7	15	-55 to 125	-55 to 150
SP5L	0.1	15	-	9	10	-55 to 150	-55 to 150
SP5LG	0.1	15	-	9	10	-55 to 150	-55 to 150
SP5S	2.0	15	-	-	3	-55 to 150	-55 to 150
SP5SG	2.0	15	-	-	3	-55 to 150	-55 to 150

Notes:
(1) IF=20mA, IR=4mA, Irr=10mA
(2) IF=100mA, IR=250mA, Irr=50mA
(3) Measured at 1 KHz
(4) P.C.B. mounted on 0.2" x 0.2" (5.0 x 5.0mm) copper pad areas

Derating Curves