

All dimensions in mm

SMA Package Voltages up to 5kV

Currents up to 900mA

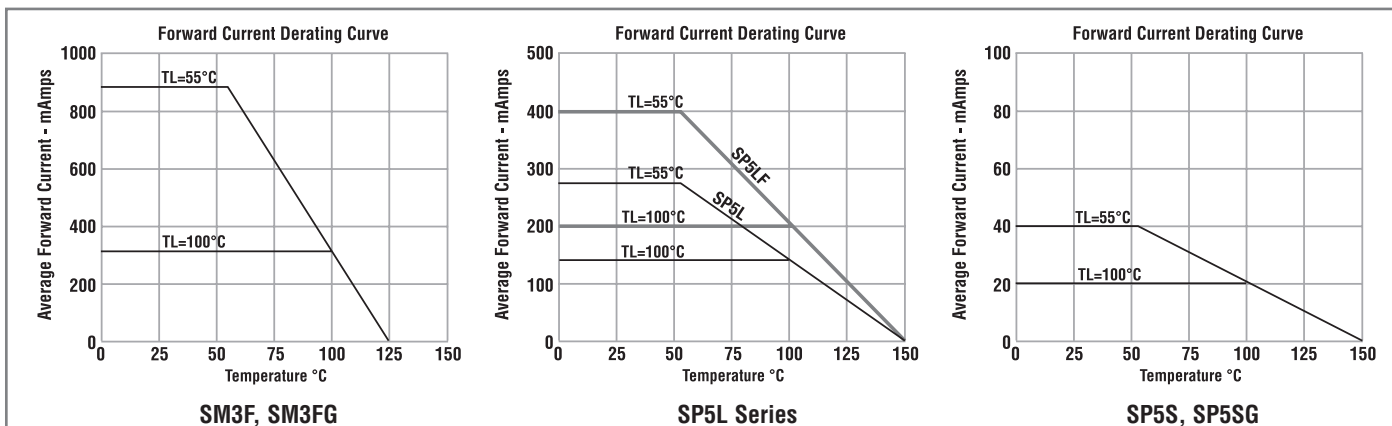
HVCA Number	Repetitive Peak Reverse Voltage V_{RRM} (Volts)	Avg. Forward Current Max. $I_{FAVM}@T_J=55^{\circ}C$ mA (milliamps)	Avg. Forward Current Max. $I_{FAVM}@T_J=100^{\circ}C$ mA (milliamps)	Max. Forward Voltage Drop $V_F@100mA$ V (Volts)	Typical Reverse Recovery Time (Note 1) T_{RR} (nsec)	Typical 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
SP5LF	5000	400	200	7.6	50	50	Fig 94
SP5LFG	5000	400	200	7.6	50	50	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

HVCA Number	Max. Reverse Current $I_{RM}@25^{\circ}C$ μA (microamps)	Typical Junction Capacitance C_j (pF) (Note 3)	Typical Thermal Resistance $R_{\theta JA}$ $^{\circ}C/W$ (Note 4)	Typical Thermal Resistance $R_{\theta JL}$ $^{\circ}C/W$	Max Surge Current I_{FSM} (8.3 ms) A (Amps)	Operating Temperature T_o ($^{\circ}C$)	Storage Temperature T_s ($^{\circ}C$)
SM3F	5.0	20	30	7	15	-55 to 125	-55 to 150
SM3FG	5.0	20	30	7	15	-55 to 125	-55 to 150
SP5LF	0.5	5	32	12	10	-55 to 150	-55 to 150
SP5LFG	0.5	5	32	12	10	-55 to 150	-55 to 150
SP5L	0.1	5	-	9	10	-55 to 150	-55 to 150
SP5LG	0.1	5	-	9	10	-55 to 150	-55 to 150
SP5S	2.0	1	-	-	3	-55 to 150	-55 to 150
SP5SG	2.0	1	-	-	3	-55 to 150	-55 to 150

Notes:

- (1) $I_F=20mA$, $I_R=40mA$, $I_{rr}=10mA$
- (2) $I_F=100mA$, $I_R=250mA$, $I_{rr}=50mA$
- (3) Test frequency 1MHz, test voltage 1V
- (4) P.C.B. mounted on 0.2" x 0.2" (5.0 x 5.0mm) copper pad areas

Derating Curves



DIODES