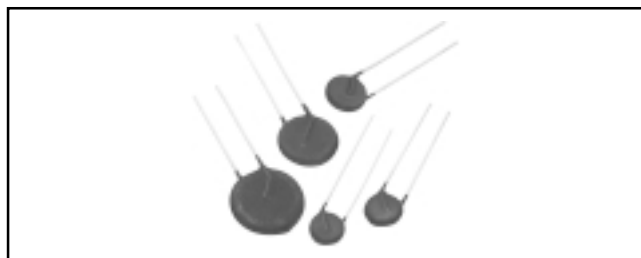


PTC Over Current Thermistors



TYPICAL APPLICATIONS

- Transistor protection.
- Motor protection.
- Transformer protection.
- Telecommunication line protection.

PTC Over Current Protectors are used in series to protect from over current conditions. The PTC will switch from its normal low resistance to a very high resistance state reducing the current flow to a safe level. Once this over current condition has been removed, the PTC will cool to its normal (low) resistance.

STANDARD ELECTRICAL SPECIFICATIONS

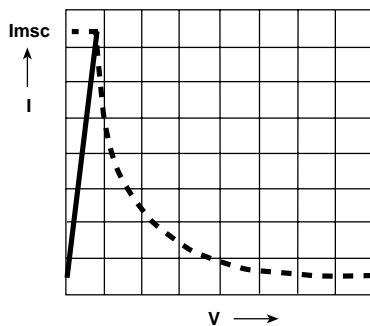
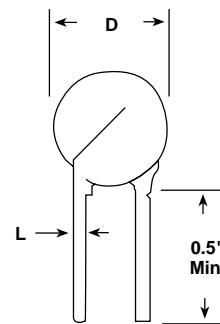
Part Number	R ₀ @ 25°C (Ω) ± 20%	Switch Temp. T _{sw} ± 5°C	Max. Continuous Current-I _{mcc} * (Amps.)		Min. Switching Current-I _{msc} ** (Amps)		V _{max}	Max. Current (Amps.)	Dc (mW/°C)	D Max. Body Dia. (In.)	L Lead Dia. (In.)
			55°C	35°C	15°C	0°C					
SSP-8004DA0R8M	0.8	120 (DA)	0.78	0.96	1.60	1.76	12	4	17	0.80	0.032
SSP-8004DA1R0M	1.0		0.60	0.75	1.30	1.43	15	3.5	14	0.60	0.032
SSP-8004DA0R3M	1.3		0.55	0.70	1.20	1.28	15	3.5	14	0.60	0.032
SSP-5504DA1R5M	1.5		0.50	0.60	1.05	1.12	20	3	13	0.55	0.032
SSP-5504DA2R0M	2.0		0.43	0.50	0.90	0.97	25	2	13	0.55	0.032
SSP-4504DA3R3M	3.3		0.30	0.35	0.68	0.73	25	2	10	0.45	0.025
SSP-4004DA4R7M	4.7		0.22	0.28	0.50	0.55	25	2	9	0.40	0.025
SSP-4004DA7R5M	7.5		0.17	0.22	0.42	0.48	50	1.5	8	0.40	0.020
SSP-4004DA100M	10.0		0.15	0.19	0.35	0.42	50	1.5	8	0.40	0.020
SSP-4004DA150M	15.0		0.12	0.15	0.30	0.35	50	1.5	8	0.40	0.020
SSP-3005DA200M	20.0		0.100	0.123	0.25	0.30	50	1.5	7	0.30	0.020
SSP-4008DA500M	50.0		0.065	0.080	0.15	0.18	50	0.8	8	0.40	0.025
SSP-3505DA101M	100.0		0.045	0.06	0.095	0.12	50	0.8	7	0.35	0.020
SSP-7510DB4R7M	4.7	110 (DB)	0.28	0.35	0.65	0.70	132	2	17	0.75	0.032
SSP-6010DB6R8M	6.8		0.22	0.28	0.50	0.55	132	1	15	0.60	0.032
SSP-4505DB5R0M	5.0		0.20	0.25	0.47	0.52	25	2	10	0.45	0.025
SSP-6010DB100M	10.0		0.18	0.22	0.45	0.49	132	1	15	0.60	0.032
SSP-4004DB7R5M	7.5		0.15	0.20	0.40	0.45	50	1.5	8	0.40	0.020
SSP-6010DB150M	15.0		0.15	0.19	0.35	0.42	132	1	15	0.60	0.032
SSP-5510DB220M	22.0		0.110	0.15	0.30	0.35	132	0.8	13	0.55	0.032
SSP-3505DB250M	25.0		0.075	0.10	0.20	0.25	50	1.5	7	0.35	0.020
SSP-4008DB330M	33.0		0.075	0.095	0.20	0.25	132	0.5	9	0.40	0.025
SSP-3507DB500M	50.0		0.055	0.070	0.14	0.17	132	0.5	7	0.35	0.020
SSP-3508DB750M	75.0		0.045	0.055	0.10	0.19	175	0.3	7	0.35	0.020
SSP-3507DB101M	100.0		0.035	0.050	0.090	0.110	132	0.3	7	0.35	0.020
SSP-3507DB151M	150.0		0.030	0.040	0.085	0.100	175	0.2	7	0.35	0.020
SSP-2508DB501M	500.0		0.015	0.020	0.040	0.050	250	0.3	6	0.25	0.020
SSP-2508DB102M	1000.0		0.010	0.015	0.030	0.035	300	0.2	6	0.25	0.020

*Maximum Continuous Current (I_{mcc}): The maximum amount of current which a PTC Thermistor must be able to pass without switching into its high resistance state. Expressed in Amps. **Minimum Switching Current (I_{msc}): The minimum amount of current necessary to switch the thermistor into its high resistance state. Expressed in Amps.



STANDARD ELECTRICAL SPECIFICATIONS											
Part Number	R_0 @ 25°C (Ω) $\pm 20\%$	Switch Temp. T _{sw} $\pm 5^\circ\text{C}$	Max. Continuous Current-I _{mcc} * (Amps.)		Min. Switching Current-I _{msc} ** (Amps)		V _{max}	Max. Current (Amps.)	Dc (mW/°C)	D Max. Body Dia. (In.)	L Lead Dia. (In.)
			55°C	35°C	15°C	0°C					
SSP-6010DD100M	10.0	90 (DD)	0.10	0.18	0.35	0.42	132	1	15	0.60	0.032
SSP-6010DD150M	15.0		0.085	0.15	0.30	0.35	132	1	15	0.60	0.032
SSP-4504DE3R3M	3.3	80 (DE)	—	0.20	0.45	0.49	25	2	10	0.45	0.025
SSP-4504DE4R7M	4.7		—	0.18	0.35	0.42	25	2	10	0.45	0.025
SSP-4505DE6R8M	6.8		—	0.15	0.30	0.35	25	2	10	0.45	0.025
SSP-4004DE100M	10.0		—	0.11	0.25	0.30	25	2	9	0.40	0.025
SSP-3504DE330M	33.0		—	0.06	0.13	0.16	25	1.5	9	0.40	0.025
SSP-3506DE500M	50.0		—	0.045	0.095	0.120	25	1.5	7	0.35	0.020
SSP-3505DE680M	68.0		—	0.035	0.085	0.100	25	1.5	7	0.35	0.020
SSP-3505DE101M	100.0		—	0.030	0.075	0.090	25	1	7	0.35	0.020
SSP-6010DE151M	150.0		—	0.025	0.060	0.070	25	1	7	0.35	0.020
SSP-6010DF100M	10.0	70 (DF)	—	0.10	0.30	0.35	132	1	15	0.60	0.032
SSP-3505DF150M	5.0		—	0.085	0.25	0.30	132	1	15	0.60	0.032

*Maximum Continuous Current (I_{mcc}): The maximum amount of current which a PTC Thermistor must be able to pass without switching into its high resistance state. Expressed in Amps. **Minimum Switching Current (I_{msc}): The minimum amount of current necessary to switch the thermistor into its high resistance state. Expressed in Amps.

STATIC VOLTAGE/CURRENT CURVE**DIMENSIONAL CONFIGURATIONS****PACKAGING**

— Bulk

HOW TO ORDER**SSP**
MODEL