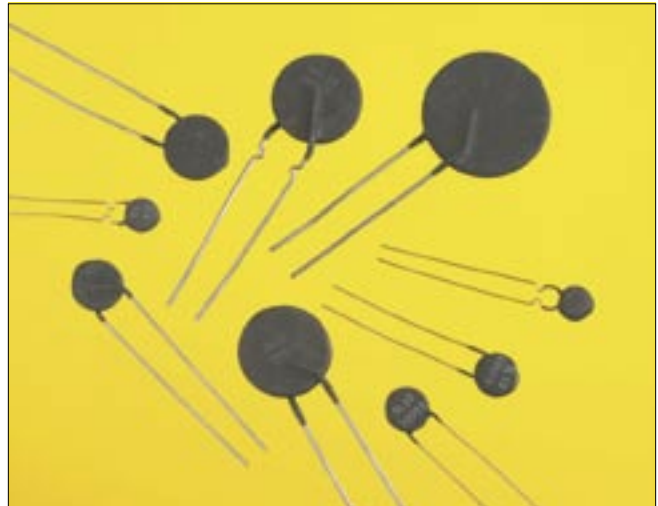


Description:

ATP Surge Current Limiters are a cost-effective way of limiting the inrush of current that can damage components in switching power supplies or other electronic devices.

These specially formulated NTC Thermistors have an initial high resistance that can limit current surge for up to several seconds. During this time, the heat generated within the device causes the resistance to decrease to a very low level. The resulting voltage drop across the Surge Current Limiter is negligible.

Surge Current Limiters are available in standard configurations, with a wide range of resistance and current carrying capabilities to fit your needs. They also can be custom designed to meet a variety of resistance, tolerance, size, lead configuration, and custom package specifications.



Surge Current Limiters

ATP Surge Current Limiters

Type Number	R@25 (Ω)	Maximum Steady Current (Amperes)	Resistance @ Max Steady State Current (Ohms)	"D" Maximum Coated Diameter		"T" Maximum Coated Thickness		Lead Diameter	
				(mm)	(inches)	(mm)	(inches)	(mm)	(inches)
SCL32 0R530	0.5	30	0.01	32.00	1.260	8	0.327	1.0	0.040
SCL22 0R712	0.7	12	0.02	22.00	0.866	6	0.245	1.0	0.040
SCL22 1R520	1.5	20	0.02	22.00	0.866	6	0.245	1.0	0.040
SCL32 1R030	1	30	0.02	32.00	1.260	6	0.245	1.0	0.040
SCL10 1R308	1.3	8	0.05	9.50	0.374	5	0.204	0.8	0.032
SCL22 2R018	2	18	0.03	22.00	0.866	6	0.245	1.0	0.040
SCL15 2R508	2.5	8	0.07	15.00	0.591	6	0.245	0.8	0.032
SCL15 2R509	2.5	9	0.04	15.00	0.591	6	0.245	0.8	0.032
SCL22 2R515	2.5	15	0.03	22.00	0.866	6	0.245	1.0	0.040
SCL15 4R008	4	8	0.07	15.00	0.591	6	0.245	0.8	0.032
SCL10 5R003	5	2.8	0.25	9.50	0.374	5	0.204	0.8	0.032
SCL12 5R004	5	4	0.17	11.50	0.453	5	0.204	0.8	0.032
SCL15 5R005	5	5	0.15	15.00	0.591	6	0.245	0.8	0.032
SCL15 5R006	5	6	0.10	15.00	0.591	6	0.245	0.8	0.032
SCL15 5R007	5	7	0.07	15.00	0.591	6	0.245	0.8	0.032
SCL22 5R012	5	12	0.06	22.00	0.866	6	0.245	1.0	0.032
SCL22 7R005	7	5	0.16	22.00	0.866	6	0.245	1.0	0.040
SCL10 10002	10	2	0.30	9.50	0.374	5	0.204	0.8	0.040
SCL10 10003	10	3	0.20	9.50	0.374	5	0.204	0.8	0.032
SCL15 10004	10	4	0.21	15.00	0.591	6	0.245	0.8	0.032
SCL22 10005	10	5	0.20	22.00	0.866	6	0.245	1.0	0.032
SCL15 10006	10	6	0.15	15.00	0.591	6	0.245	0.8	0.040
SCL12 16003	16	2.7	0.40	11.50	0.453	5	0.204	0.8	0.032
SCL15 16004	16	4	0.27	15.00	0.591	6	0.245	0.8	0.032
SCL12 20002	20	2	0.50	11.50	0.453	5	0.204	1.0	0.032
SCL15 25003	25	3	0.40	15.00	0.591	6	0.245	0.8	0.032
SCL15 47003	47	3	0.50	15.00	0.591	6	0.245	0.8	0.032
SCL12 50002	50	2	0.72	11.50	0.453	5	0.204	0.8	0.032
SCL15 12102	120	2	1.18	15.00	0.591	6	0.245	0.8	0.032
SCL15 22102	220	2	0.80	15.00	0.591	5	0.204	0.8	0.032



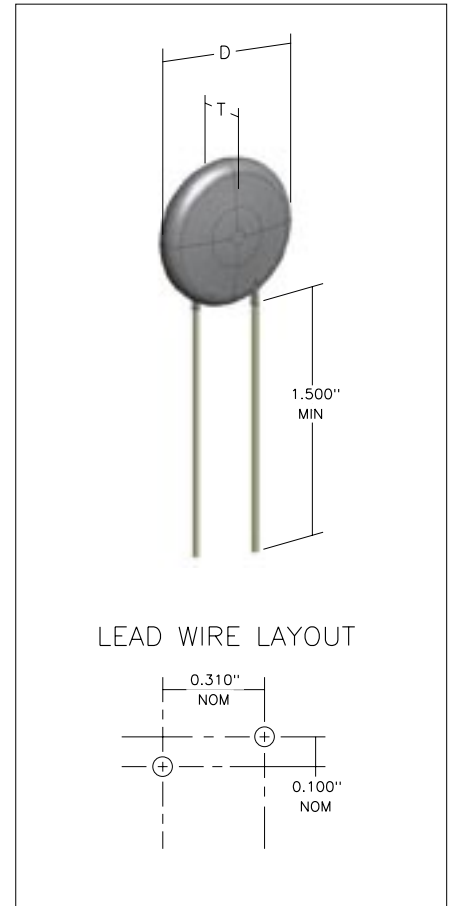
NTC Thermistor SURGE CURRENT LIMITERS

Features:

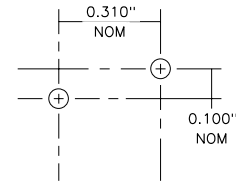
- Resistance @ 25° C, ± 20% 0.5 to 220 ohms
- Maximum Steady State Current..... 2 to 30 amperes
- Resistance at Maximum Steady State Current 0.01 to 1.18 ohms
- Operating Temperature -40° to +185°C
- Storage Temperature -40° to +220°C
- Surge Current Life -15%, +10% Maximum $\mathbb{S}R$ @25°C
- Load Life..... -15%, +10% Maximum $\mathbb{S}R$ @25°C
- Temperature Cycle..... -15%, +10% Maximum $\mathbb{S}R$ @25°C
- Moisture Resistance -15%, +10% Maximum $\mathbb{S}R$ @25°C
- Lead Pull Strength..... 1 kg, applied in axial direction
- Solderability of Leads More than 95%
- Soldering Heat Resistance -15%, +10% Maximum $\mathbb{S}R$ @25°C
- Construction..... Straight or kinked tinned copper leads
- Coating..... Black silicone or epoxy

Physical Dimensions:

- Maximum Diameter 9.5 mm (0.374") to 32.0 mm (1.260")
- Maximum Thickness..... 5.0 mm (0.204") to 8.0 mm (0.327")
- Lead Diameter..... 0.8 mm (0.032") to 1.0 mm (0.040")



LEAD WIRE LAYOUT



Surge Current Limiter