

NTC Thermistors, Inrush Current Limiters



DESCRIPTION

The NTC thermistor inrush current limiters have become the industry standard to reduce inrush current across the electronics industry. With the development of the MM series, the inrush current limiters can now take on industrial-strength high power inrush current inrush for high power industrial applications.

FEATURES

- Recognized by Underwriters Laboratories for ensured safety
- Designed to withstand high steady-state current
- Absorbs and minimizes high input energy
- Cost effective one component solution to inrush current
- Wide temperature range of operation

RoHS
COMPLIANT

APPLICATIONS

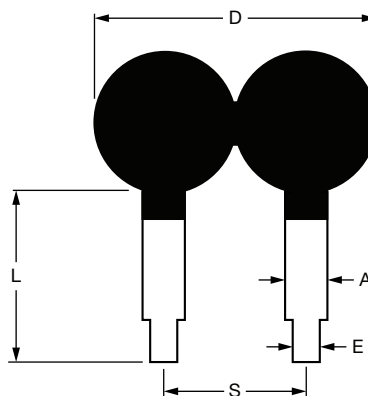
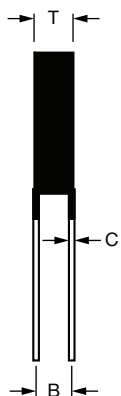
- AC motors
- Transformers
- Power supply / inverters
- Refer to the maximum power ratings chart for more applications

QUICK REFERENCE DATA

PART NUMBER	RESISTANCE AT 25 °C (R_{25}) (Ω)	TOLERANCE ON R_{25} VALUE (%)	MAX. STEADY-STATE CURRENT UP TO 65 °C (A)	MAX. RECOMMENDED ENERGY RATING (J)	MAX. VOLTAGE (V_{AC})	MAX. CAPACITANCE AT 120 V_{AC} (μF)
MM350R280DIN	0.2	± 25	80	1200	680	80 000
MM350R560DIN	0.5	± 25	60	1200	680	80 000
MM351R050DIN	1	± 25	50	1200	680	80 000
MM351R550DIN	1.5	± 25	50	1200	680	80 000

ELECTRICAL SPECIFICATIONS

PART NUMBER	RESISTANCE AT 100 % MAX. CURRENT (Ω)	RESISTANCE AT 50 % MAX. CURRENT (Ω)	BODY TEMP. AT 100 % MAX. CURRENT (°C)	DISSIPATION FACTOR ($mW/^{\circ}C$)	THERMAL TIME CONSTANT (s)	MATERIAL TYPE (FOR BETA AND CURVE)
MM350R280DIN	0.004	0.011	214	174	228	B
MM350R560DIN	0.006	0.012	203	174	228	B
MM351R050DIN	0.010	0.030	214	174	228	B
MM351R550DIN	0.010	0.030	208	174	228	B

MECHANICAL SPECIFICATIONS in millimeters


PART NUMBER	A	B	C	D	E	L	S	T	LEAD STYLE
MM350R280DIN	9.6 nom.	6.0 nom.	0.8 nom.	68.0 max.	5.7 nom.	38.5 nom.	34.0 nom.	8.5 max.	Straight
MM350R560DIN	9.6 nom.	6.0 nom.	0.8 nom.	68.0 max.	5.7 nom.	40.0 nom.	34.0 nom.	9.5 max.	Straight
MM351R050DIN	9.6 nom.	6.0 nom.	0.8 nom.	68.0 max.	5.7 nom.	38.5 nom.	34.0 nom.	8.5 max.	Straight
MM351R550DIN	9.6 nom.	6.0 nom.	0.8 nom.	68.0 max.	5.7 nom.	38.5 nom.	34.0 nom.	8.5 max.	Straight



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