



NTC INRUSH CURRENT LIMITERS

AMETHERM CURRENT PROTECTION TO SAFEGUARD YOUR ELECTRICAL SYSTEMS

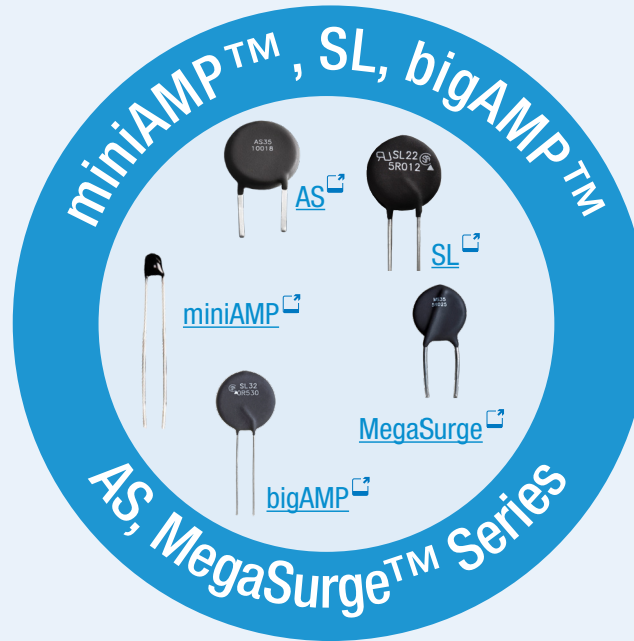
ADVANTAGES

- Protect circuitry from initial inrush
- High energy capability in small package sizes
- High steady-state current (SSI) capability
- Low resistance after initial inrush

APPLICATIONS



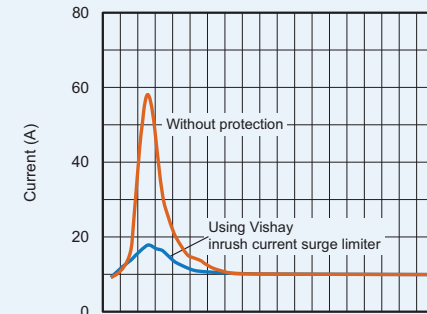
- Power supplies
- Motor drives
- Consumer appliances
- Welding equipment and tools
- Robotic automation
- Power distribution for AI / cloud computing
- LED lighting systems
- Medical devices
- Imaging equipment
- Electric vehicle charging
- Alternative energy infrastructure



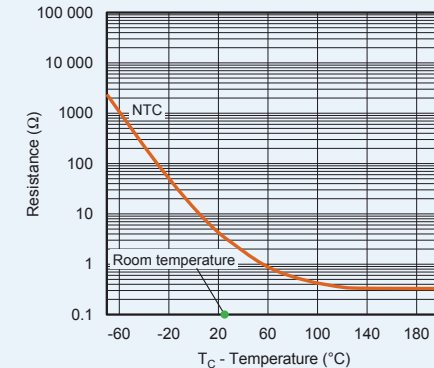
We have a [broad line of UL-rated and CSA-certified NTC thermistors](#) for inrush current limiting applications



CURRENT DURING INRUSH



RESISTANCE VS. TEMPERATURE



PRODUCT DETAIL

Type	miniAMP™	SL	bigAMP™	MegaSurge™	AS
Diameter - D_{max}	3 mm - 9 mm	10 mm - 22 mm	31 mm	12 mm - 38 mm	29 mm - 36 mm
Thickness - T_{nom}	3 mm - 5 mm	4 mm - 7.5 mm	5 mm - 7 mm	7 mm - 11 mm	5 mm - 9 mm
Energy - E_{max}	2 J - 12 J	10 J - 150 J	100 J - 250 J	75 J - 800 J	250 J - 800 J
Steady-State Current - SSI_{max}	1 A - 3 A	1 A - 20 A	15 A - 36 A	2 A - 50 A	6 A - 50 A
Resistance - $R_{25\text{ }^{\circ}\text{C}}$	2.5 Ω - 220 Ω	0.7 Ω - 220 Ω	0.3 Ω - 10 Ω	0.5 Ω - 220 Ω	0.5 Ω - 50 Ω