

NTC Thermistors, miniAMP Inrush Current Limiters



DESCRIPTION

These miniature inrush current limiters are your solution for space-sensitive applications. The miniAMP series is designed for applications where board space is limited and cool operation is desired. The cost effective miniAMP inrush current limiter is an efficient way to protect components such as relays, diodes, and fuses from inrush current.

QUICK REFERENCE DATA

PARAMETER	VALUE	UNIT
Resistance	7	Ω
Tolerance on R_{25} value	± 20	%
Max. steady-state current up to 65 °C	2	A
Max. recommended energy rating	8	J
Actual failure instantaneous energy	17	J
Max. capacitance at 120 V _{AC}	560	μ F
Resistant at 100 % max. current	0.22	Ω
Resistant at 50 % max. current	0.58	Ω
Body temperature at 100 % max. current	144	°C
Dissipation constant	90	mW/°C
Thermal time constant	27	s
Material type (for beta and curve)	B	

FEATURES

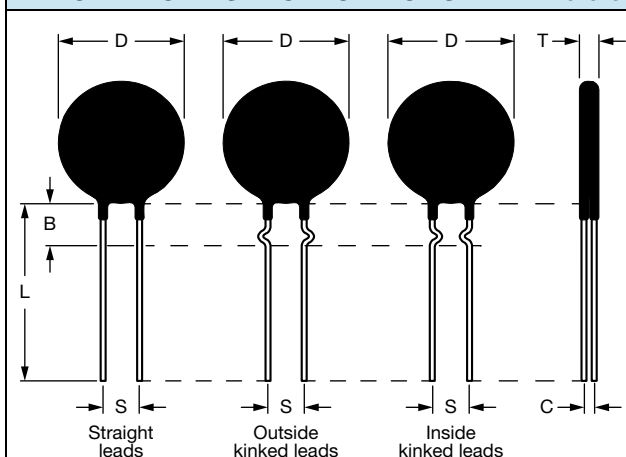
- Rugged and reliable
- Recognized by UL and CSA
- Can withstand up to 2 A of continuous current and 17 J of input energy
- Operating temperature range: -40 °C to +150 °C
- Radial leaded inrush current limiter is available on kinked or straight leads, the standard lead length is 0.5"
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

RoHS
COMPLIANT

APPLICATIONS

- Switching power supplies
- AC motors
- Uninterruptible power supplies
- Variable frequency drive
- Other equipment that can be improved with inrush current protection

MECHANICAL SPECIFICATIONS in millimeters



SYMBOL	SL087R002
B	7.5 \pm 3.5
C	2.5 \pm 0.5
D	8.0 \pm 0.3
L	38.0 \pm 9.0
S	5.5 \pm 0.5
T	2.8 \pm 0.36
Lead diameter	0.5 \pm 0.1



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