

NTC Thermistors, Inrush Current Limiters



DESCRIPTION

The standard surge limiter series comprises devices engineered to protect electrical systems by mitigating the impact of potentially harmful power surges. These surge limiters have received UL certification, attesting to their safety and performance.

QUICK REFERENCE DATA

PARAMETER	VALUE	UNIT
Resistance at 25 °C (R_{25})	25	Ω
Tolerance on R_{25} value	± 25	%
Max. steady-state current up to 65 °C	2	A
Max. recommended energy rating	20	J
Actual failure instantaneous energy	40	J
Resistance at 100 % max. current	0.48	Ω
Resistance at 50 % max. current	1.06	Ω
Body temperature at 100 % max. current	110	°C
Dissipation constant	9.4	mW/°C
Thermal time constant	20	s
Material type (for beta and curve)	C	

FEATURES

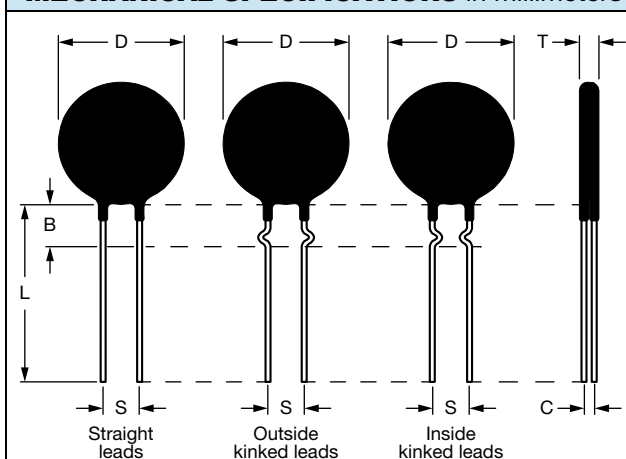
- Enhanced protection
- Recognized by UL
- Can withstand up to 2 A of continuous current and 40 J of input energy
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

RoHS
COMPLIANT

APPLICATIONS

- Residential
- Commercial
- Industrial
- Healthcare
- Renewable energy
- Electric vehicle

MECHANICAL SPECIFICATIONS in millimeters



SYMBOL	SL1025002
B	5.0 \pm 0.5
C	2.1 \pm 0.5
D	10.0 \pm 0.5
L	42.0 nom.
S	7.8 nom.
T	5.0 max.
Lead diameter	0.8 \pm 0.3
Straight leads	3.0 max.



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