

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})	2	Ω
Tolerance on R_{25} value	± 20	%
Max. steady-state current up to 65 °C	5	A
Max. recommended energy rating	30	J
Actual failure instantaneous energy	65	J
Max. capacitance at 120 V _{AC}	2000	μ F
Max. capacitance at 240 V _{AC}	520	μ F
Resistance at 100 % max. current	0.1	Ω
Resistance at 50 % max. current	0.2	Ω
Body temperature at 100 % max. current	150	°C
Dissipation constant	10	mW/°C
Thermal time constant	25	s
Material type (for beta and curve)	A	

FEATURES

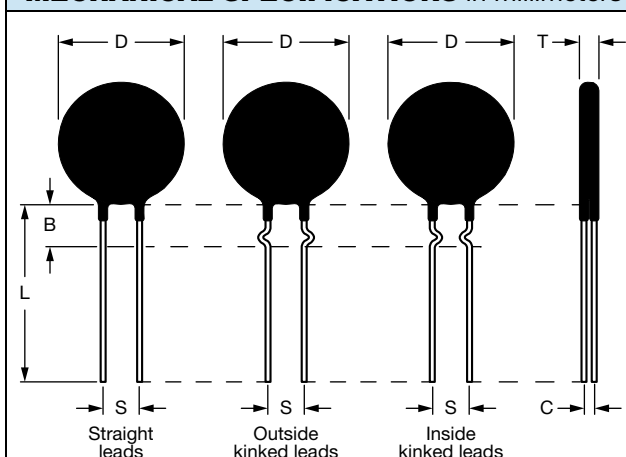
- Enhanced protection
- Recognized by UL
- Can withstand up to 5 A of continuous current and 65 J of input energy
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

RoHS
COMPLIANT

APPLICATIONS

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

MECHANICAL SPECIFICATIONS in millimeters



SYMBOL	SL102R005
B	7.5 nom.
C	2.2 nom.
D	10.0 max.
L	38.0 nom.
S	5.1 nom.
T	5.0 max.
Lead diameter	0.5 nom.



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