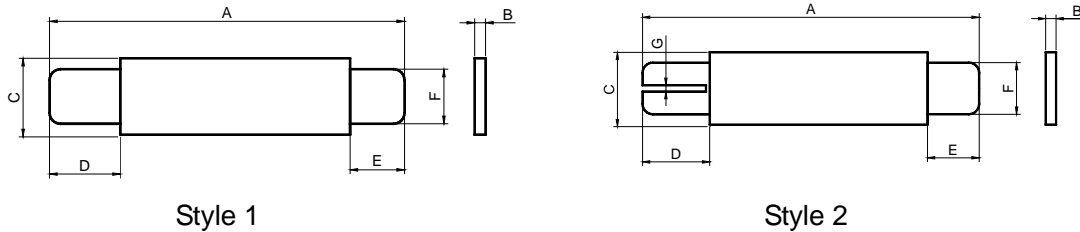


STVL series

Strap resettable PTC Device

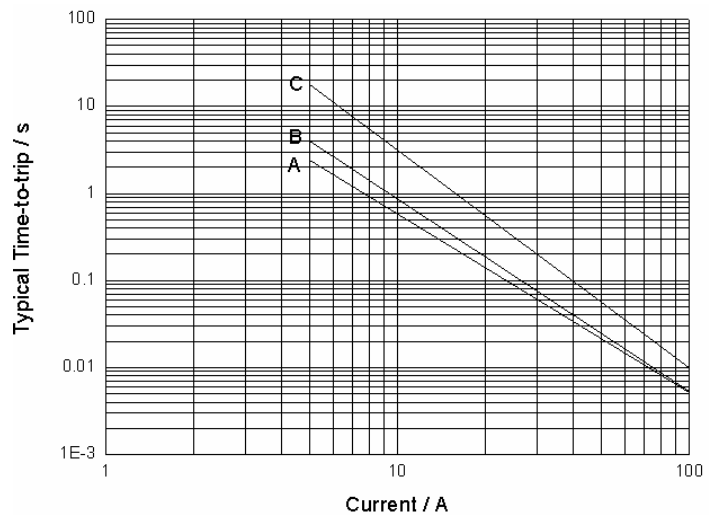


STVL170	20.8	23.2	-	0.8	3.5	3.9	4.5	6.5	4.5	6.5	2.4	2.6
STVL175	23.0	24.5	-	0.8	2.9	3.3	4.7	7.2	3.8	5.4	2.4	2.6
STVL230	20.9	23.1	-	0.8	4.9	5.3	4.1	5.8	4.1	5.8	3.9	4.1



Typical Time-to-trip Curves at Room Temperature

STVL series
 A=STVL170
 B=STVL175
 C=STVL230



Physical Characteristics and Environmental Specifications

Physical Characteristics

Lead material	0.125mm nominal thickness, quarter-hard nickel
Tape material	Polyester

Environmental Specifications

Test	Conditions	Resistance Change
Passive aging	-40°C, 1000hours	±5%
	60°C, 1000hours	±20%
Humidity aging	60°C/95% RH, 1000hours	±30%
Thermal shock	85°C/-40°C, 10cycles	±5%
Vibration	MIL-STD-883D ,Method 2026	No change

Packaging and Storage

Packaging: Bulk, 1000pcs per bag

Storage: The maximum ambient temperature shall not exceed 40°C. Storage temperatures higher than 40°C could

result in the deformation of packaging materials. The maximum relative humidity recommended for storage is 70%. High humidity with high temperature can accelerate the oxidation of the solder plating on the termination and reduce the solderability of the components. Sealed plastic bags with desiccant shall be used to reduce the oxidation of the termination and shall only be opened prior to use. The products shall not be stored in areas where harmful gases containing sulfur or chlorine are present.



WARNING:

- Operation beyond the maximum ratings or improper use may result in device damage and possible electrical arcing and flame.
- The devices are intended for protection against occasional overcurrent or overtemperature fault conditions and should not be used when repeated fault conditions or prolonged trip events are anticipated.
- Contamination of the PPTC material with certain silicon based oils or some aggressive solvents can adversely impact the performance of the devices.
- Device performance can be impacted negatively if devices are handled in a manner inconsistent with recommended electronic, thermal and mechanical procedures for electronic components.
- Operation in circuit with a large inductance can generate a circuit voltage ($L di/dt$) above the rated voltage of the resettable device.