Description

Positive Thermal Coefficient devices(PTC),provide over-current protection for electrical and electronic devices. They function using conducting strips of metal imbedded inside polymers. Under normal conditions, the devices resistance is near zero, but over-current conditions will heat the PTC and expand the polymer, increasing the impedance. When current returns to normal, the components cool down, returning to their original shape and very low levels of resistance.

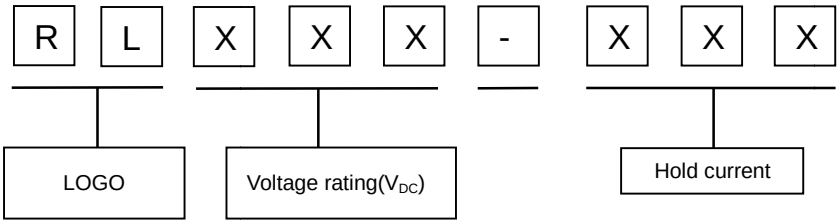
Features

- I(hold): 0.02~2.0A
- 250V Operating voltages
- Radial leaded devices.
- Over-current protection
- Very high voltage surge capabilities.
- Available in lead-free version.
- Fast time–to–trip
- RoHS compliant, Lead- Free and Halogen-Free

Applications

- Over-current and over-temperature protection of automotive electronics
- Hard disk drives
- PC motherboards
- Point-of-sale (POS) equipment
- PCMCIA cards
- USB port protection - USB 2.0, 3.0 & OTG
- HDMI 1.4 Source protection
- Computers & peripherals
- Industrial control
- Security systems

Part Number Code



Environmental Specifications

Test	Conditions	Resistance change
Passive aging	+85℃，1000hrs	±8% typical
Humidity aging	+85℃，85%R.H.1000hrs	±8% typical
Thermal shock	+125℃ to -55℃，10times	±12% typical
Resistance to solvent	MIL-STD-202，Method 215	No change
Vibration	MIL-STD-202，Method 201	No change