

Type PTF Series

Thermometrics PTC Thermistors



Description

GE's PTF Series consists of a range of radially-wired bare PTC disc thermistors.

Features

- Low cost solid state fuse
- Available in a broad range of resistances, transition temperatures and voltage ratings
- Exhibits large positive increases in resistance with temperature
- Resistance/temperature characteristic is infinitely repeatable and has no hysteresis associated with its action
- Proven quality and reliability over many years of manufacturing

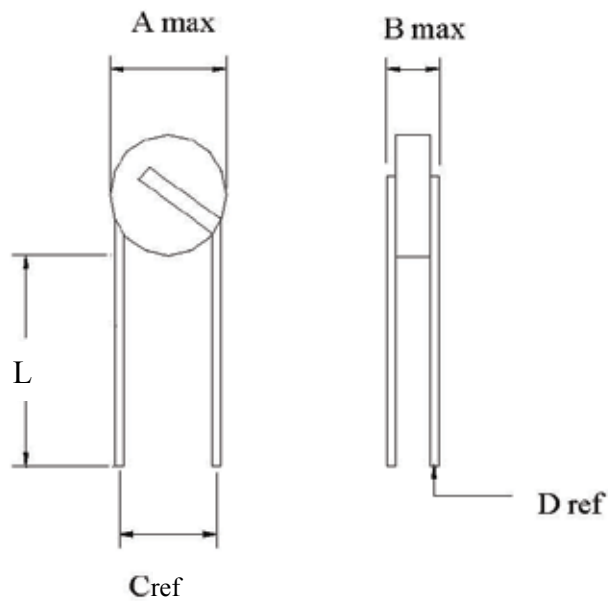
Applications

- Designed for general purpose over-current and short-circuit protection



Operating Voltage, V_{max}	R @ 25°C ($\pm 20\%$) Ω	Part Number	Replacement for	Switch Temperature, T_b	Minimum Trip Current (I_t), $T_{amb} = 25^\circ\text{C}$	Maximum Current without Tripping (I_{nt}), $T_{amb} = 55^\circ\text{C}$	A (max) mm	B (max) mm	C (ref) mm	D (ref) mm	L (min) mm
18	10	YQS5838PTF	YS5838PTF (RL3005-10-110-12-PTF)	120°C	290 mA	140 mA	8.9	3.8	5	0.6	25
25	3	YQS5846PTF	YS5846PTF (RL5008-3.0-110-25-PTF)	120°C	740 mA	370 mA	14.0	4.6	5.0	0.6	25
50	10	YQS5853PTF	YS5853PTF (RL4006-10-110-50-PTF)	120°C	400 mA	170 mA	11.4	4.3	5.0	0.6	25
50	50	YQS5855PTF	YS5855PTF (RL4010-50-110-50-PTF)	120°C	170 mA	80 mA	11.4	5.1	5.0	0.6	25
50	100	YQS5856PTF	YS5856PTF (RL3810-100-110-50-PTF)	120°C	120 mA	60 mA	10.7	5.1	5.0	0.5	25
120	50	YQS5868PTF	YS5868PTF (RL4510-50-110-120-PTF)	110°C	170 mA	80 mA	13.5	5.1	5.0	0.6	25
120	100	YS5869PTF	RL3510-100-110-120-PTF	120°C	110 mA	60 mA	10.2	5.1	6.4	0.6	38.1
240	50	YQS5876PTF	YS5876PTF (RL6315-50-110-240-PTF)	120°C	210 mA	100 mA	16.5	6.9	8.4	1.0	38.1
240	250	YQS5878PTF	YS5878PTF (RL6315-250-110-240-PTF)	115°C	120 mA	45 mA	16.5	6.9	8.4	1.0	25

Mechanical Specifications



Construction

Bare ceramic disc
Thick silver film electrodes
Uninsulated leadwires

Terminations

Straight type, tin coated copper wire

Electrical Specifications

Ambient Temperature Range

At Storage: -25 to +155°C

At Maximum Voltage: +10 to +55°C



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920-457B