



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



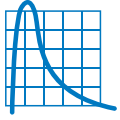
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T H E R M O M E T R I C S  
A C O M M I T M E N T T O E X C E L L E N C E

# Type PTF Series

## Thermometrics PTC Thermistors

### Description

Thermometrics 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



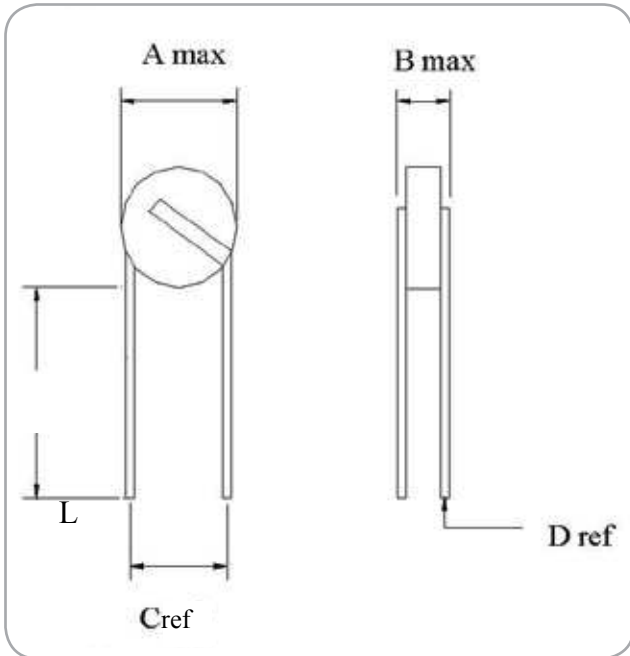
### Applications

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

**Amphenol**  
**Advanced Sensors**

Operating Voltage, $V_{max}$	R @ 25°C ( $\pm 20\%$ ) $\Omega$	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



## Electrical Specifications

### Ambient Temperature Range

At Storage: -25 to +155°C

At Maximum Voltage: +10 to +55°C

### Construction

Bare ceramic disc  
Thick silver film electrodes  
Uninsulated leadwires

### Terminations

Straight type, tin coated copper wire

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Advanced Sensors

[www.amphenol-sensors.com](http://www.amphenol-sensors.com)

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