

T H E R M O M E T R I C S
A COMMITMENT TO EXCELLENCE
AN AMPHENOL COMPANY

Type PTO Series PTC Thermistors



Description

Thermometrics PTO series consists of a range of radially-wire bare PTC disc thermistors.

Features

- Solid state sensor
- 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

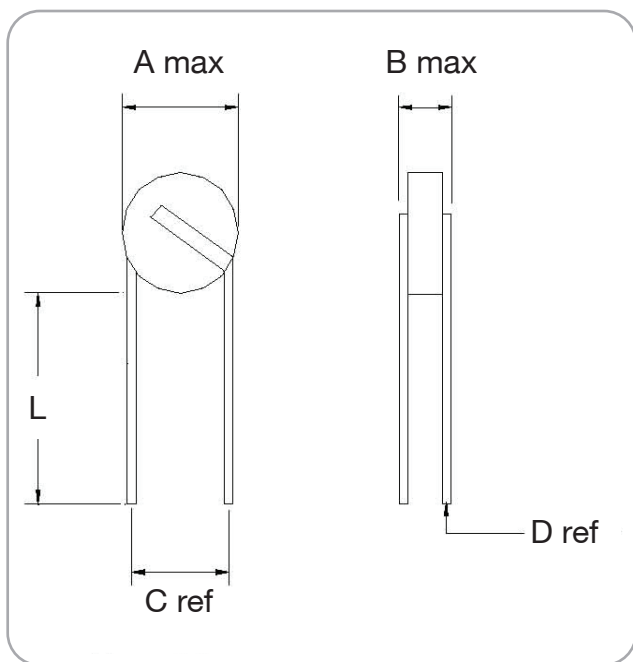
Applications

- Current regulation
- Circuit protection
- Temperature control

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Sensors

Operating Voltage, V_{max}	Part Number	Replacement for	R @ 25°C ($\pm 30\%$) Ω	Switch Temperature, T_b	A (max) mm	B (max) mm	C (ref) mm	D (ref) mm	L (min) mm
12	YS5893PTO	RL5305-2.5-110-12-PTO	2.5	120°C	15.24	4.06	8.38	0.8	38.1
12	YS5898PTO	RL3005-25-110-12-PTO	25	120°C	8.89	3.81	6.35	0.5	38.1
25	YS5745PTO	RL3006-50-40-25-PTO	50	40°C	8.89	3.81	6.35	0.5	38.1
120	YS5917PTO	RL6010-20-120-120-PTO	20	120°C	16.51	5.84	8.38	0.8	38.1
120	YS5918PTO	RL5510-25-60-120-PTO	25	60°C	15.24	5.59	8.38	0.8	38.1
120	YS5921PTO	RL2510-200-110-120-PTO	200	120°C	7.62	5.08	3.81	0.6	38.1
240	YS5925PTO	RL6015-100-120-240-PTO	100	120°C	16.51	6.86	8.38	0.8	38.1
240	YS5930PTO	RL3020-3000-100-240-PTO	3K	100°C	8.89	7.87	6.35	0.8	38.1
480	YQS5934PTO	RL3020-5K-100-480-PTO	5K	100°C	8.89	7.87	6.35	0.8	38.1

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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www.amphenol-sensors.com

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