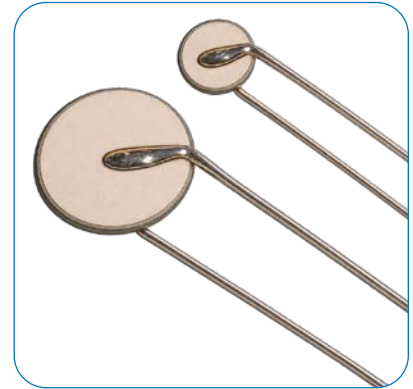


T H E R M O M E T R I C S
A COMMITMENT TO EXCELLENCE
AN AMPHENOL COMPANY

Type YP Series

PTC Thermistors



Thermometrics YP Series consists of a range of radially-wired PTC disc thermistors with silicone coating intended for use as a current limiting device.

Features

- Wide range of operating current & voltage levels
- Excellent stability
- Fail-safe operation
- Solid state
- High performance barium titanate ceramic
- Suitable for automatic PCB insertion

Applications

- Designed for general purpose over-current, overvoltage and direct over-temperature protection

Packaging

All types in the YP range are available loose-packed, as shown in the drawing.

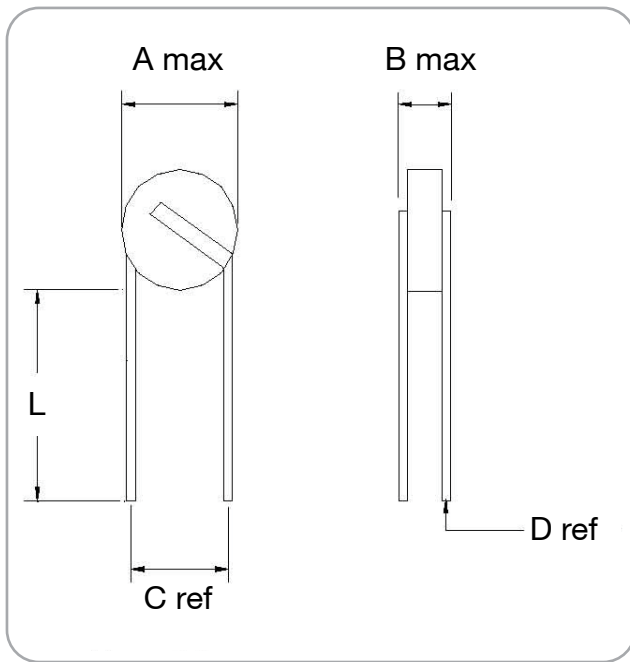
To identify the packaging required, add suffix as follows:

Loose-packed N*

*only required for YPBL0055 and YPEL6250

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Electrical Specifications

Tolerance on R25

±25%

Ambient Temperature Range

at maximum voltage 0 to +60°C

at zero voltage..... -25 to +125°C

No Coating

Lead Wire Material

Copper with exception for YPEL6250, copper clad steel

Operating Voltage, V_{max}	Switch Temperature, T_b °C	Part Number	Replacement for	R @ 25°C (±25%) Ω	Maximum Current without Tripping, I_{nt} $T_{amb} = 25^\circ\text{C}$ mA	Minimum Trip Current, I_t $T_{amb} = 25^\circ\text{C}$ mA	Maximum Overload Current, I_{mo} A	Maximum Residual Current, I_{res} mA	D (max) mm	T (max) mm	H (max) mm	d (nom) mm	L (min) mm
30Vdc	120	YPAL1.20N	YQS8122	1.2	600	1200	4.3	140	11.0	3.5	14.5	0.6	25
30Vdc	120	YPAL4.60N	YQS8123	4.6	250	500	1.0	90	6.5	3.5	12.0	0.6	25
30Vdc	120	YPAL0013N	YQS8103	13	120	240	0.7	50	4.5	3.5	10.0	0.5	25
80Vdc	120	YPBL0055	-	55	50	100	0.7	24	4	3.5	7.5	0.5	35
265Vrms	80	YPCJ0150N	YQS8119	150	15	45	0.2	6.0	4.5	5.0	9.0	0.5	25
265Vrms	110	YPCL0120N	YQS8121	120	35	80	0.4	10	6.5	5.0	12.0	0.6	25
420Vrms	110	YPDL0600N	YQS8120	600	21	39	0.2	6	6.5	5.0	12.0	0.6	25
550Vrms	120	YPEL6250	-	6250	6	14	0.15	3	4	5	7.5	0.5	35

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