ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number:	YPEL6250T
Manufacturer:	Amphenol Thermometrics
Package:	Radial, Disc
Availability:	Please confirm with sales

Product Page:

https://antrexco.com/product/details/amphenol-thermometrics/ypel6250t.html

Scan for product page

Request a Quote:

Submit RFQ for this part

Contact Information

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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

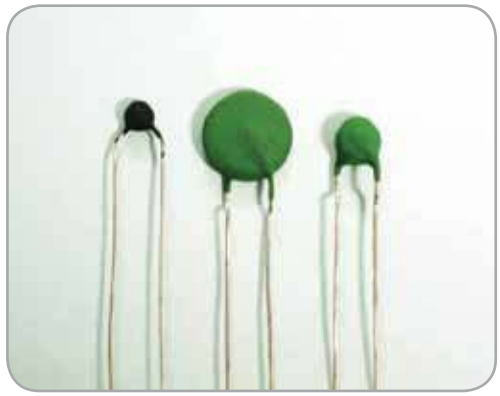
This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

THERMOMETRICS
A COMMITMENT TO EXCELLENCE

Type YP Series

Thermometrics PTC Thermistors



Description

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. Devices are also available on bandolier (tape & reel).

To identify the packaging required, add suffix as follows:

Bandoliered ..... T
Loose-packed ..... N*

*only required for YPBL0055 and YPEL6250

Amphenol
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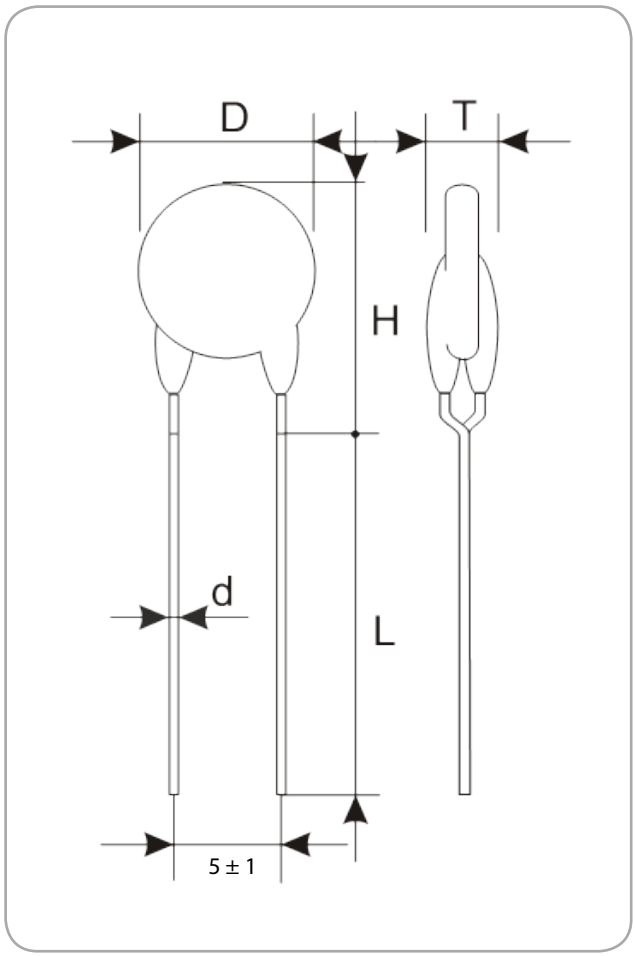

Electrical Specifications

Tolerance on R25
±25%

Ambient Temperature Range
at maximum voltage ..... 0 to +60°C
at zero voltage..... -25 to +125°C

Body Coating
Silicone resin: black YP, green YQS

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} = 55°C mA	Minimum Trip Current, I_t T_{amb} = 25°C mA	Maximum Overload Current, I_{mo} mA	Maximum Residual Current, I_{res} mA	D (max) mm	T (max) mm	H (max) mm	d (nom) mm	L (min) mm
30Vdc	120	YQS8122	YPAL1.20N	1.2	600	1200	4.3	140	11.0	3.5	14.5	0.6	25
30Vdc	120	YQS8123	YPAL4.60N	4.6	250	500	1.0	90	6.5	3.5	12.0	0.6	25
30Vdc	120	YQS8103	YPAL0013N	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	YQS8119	YPCJ0150N	150	15	45	0.2	6.0	4.5	5.0	9.0	0.5	25
265Vrms	110	YQS8121	YPCL0120N	120	35	80	0.4	10	6.5	5.0	12.0	0.6	25
420Vrms	110	YQS8120	YPDL0600N	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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