

PTC THERMISTORS: TYPE YH

SELF-REGULATING HEATER

DESCRIPTION:

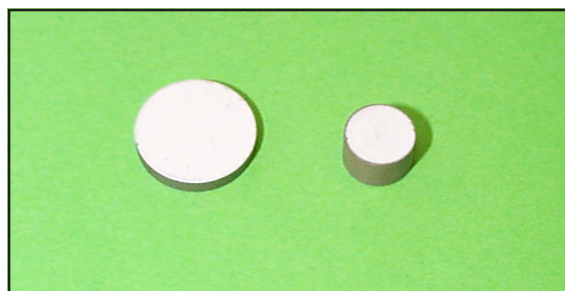
A range of unwired PTC disc thermistors

FEATURES:

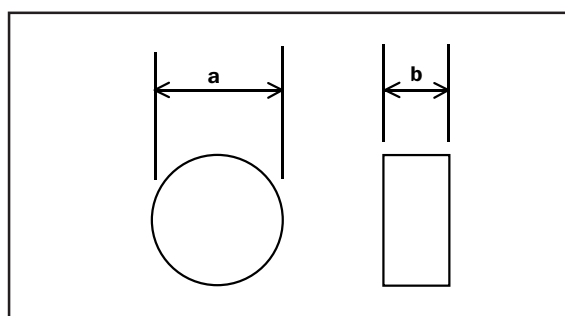
- Self-regulating heater (no additional thermostat required)
- Wide range of reference temperatures 40 to 200°C
- 24V rating for automotive applications; 240V for use at mains voltage
- Thick film silver electrodes
- Suitable for clamp contacting, soldering and conductive adhesive bonding.
- Maximum curvature < 0.2mm
- Typical applications include wax motors, in-line diesel fuel heaters and temperature stabilization of electronic devices

OPTIONS:

- Other resistances and tolerances
- Other reference temperatures
- Alternative electrode materials e.g. aluminium for clamp contacting
- Non-standard electrode configurations
- Different mechanical forms



DIMENSIONS:



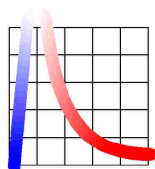
Datasheet D-YH-3

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Code	V _N V	V _B V	T _{ref} °C	R ₂₅ Ω	a mm	b mm
YH040R100V24	*12/24	>50	40	10 ± 30%	8.0±0.2	1.5±0.2
YH060R100V24			60			1.5±0.2
YH080R100V24			80			1.5±0.2
YH100R100V24			100			1.5±0.2
YH120R100V24			120			1.5±0.2
YH140R100V24			140			2.0±0.2
YH160R100V24			160			2.0±0.2
YH180R100V24			180			2.0±0.2
YH200R100V24			200			2.0±0.2
YH040R122V240	*110/240	600	40	1200 ± 35%	12.0±0.2	2.0±0.2
YH060R122V240			60			
YH080R122V240			80			
YH100R122V240			100			
YH120R122V240			120			
YH140R122V240			140			
YH160R122V240			160			
YH180R122V240			180			
YH040R402V240	*110/240	600	40	4000 ± 35%	8.0±0.2	3.0±0.2
YH060R402V240			60			
YH080R402V240			80			
YH100R402V240			100			
YH120R402V240			120			
YH140R402V240			140			
YH160R402V240			160			
YH180R402V240			180			

The following parts are also available:

Code	V _N V	V _B V	T _{ref} °C	R ₂₅ Ω	a (nom) mm	b mm
YS2872	12/24	>50	100	4	8.5	2.5
YS3606	12/24	>50	95	36	8.5	2.0
YS3737	12/24	>50	80	11	10.0	2.6
YS3755	12/24	>50	120	2.4	16.0	1.5
YS2914	110/240	>500	120	120	5.0	3.0
YS3714	40	>500	80	115	12.0	2.1
YS3713	240	>500	50	1.2K	12.0	2.1
YS4142	240	>500	71	6.0K	12.0	2.1

V _N	Rated voltage
V _B	Breakdown voltage
T _{ref}	Reference temperature
R ₂₅	Resistance at 25°C

* subject to heat dissipation of assembly

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