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[Amphenol Advanced Sensors \(formerly GE Sensing\)](#)  
[YQS5745PTO](#)

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**GE Sensing**

A COMMITMENT TO EXCELLENCE

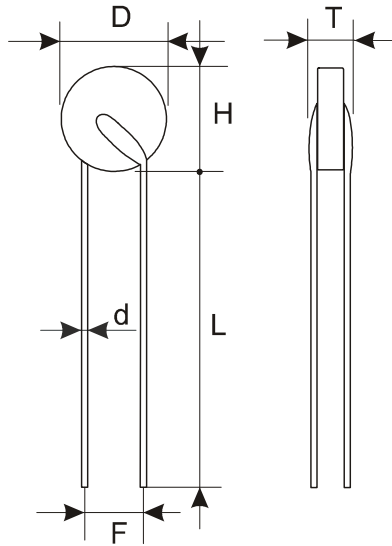
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|                           |   |             |
|---------------------------|---|-------------|
| <b>TEST SPECIFICATION</b> | PART No. <b>YQS5745PTO</b>                  | ISSUE: A    |
| CUSTOMER: <b>Various</b>  | DATE: <b>25<sup>th</sup> February, 2010</b> | QUANTITY:   |
| Customer P/N:             | ORIGINATOR: <b>M.J.Roberts</b>              | PAGE 1 OF 1 |

**DESCRIPTION:** PTC THERMISTOR INTENDED FOR USE AS A CURRENT LIMITING PROTECTION DEVICE

**MECHANICAL SPECIFICATION**

- CONSTRUCTION:** BARE CERAMIC DISC. THICK SILVER FILM ELECTRODES  
UNINSULATED LEADWIRES.
- TERMINATIONS:** STRAIGHT TYPE, TIN COATED COPPER WIRE
- DIMENSIONS in mm:** SEE DRAWING AND TABLE BELOW.



|            | <b>D</b> | <b>T</b> | <b>H</b> | <b>F</b> | <b>d</b> | <b>L</b> |
|------------|----------|----------|----------|----------|----------|----------|
| <b>Max</b> | 8.89     | 3.81     | 10.0     | 6.0      | 0.55     |          |
| <b>Min</b> |          |          |          | 4.0      | 0.45     | 25       |

**ELECTRICAL SPECIFICATION**

- RESISTANCE AT 25°C, R<sub>25</sub>: 50Ω ± 30% (1)
- SWITCHING TEMPERATURE, T<sub>b</sub>: 43 ± 7°C (2)
- MAXIMUM OPERATING VOLTAGE V<sub>max</sub>: 25V (3)
- AMBIENT TEMPERATURE RANGE,
- STORAGE: -25 to +155°C
- AT MAXIMUM VOLTAGE: +10 to +55°C

**NOTES:**

- (1) Measuring current: 10mA max.
- (2) Resistance = 2 × Resistance at 25 °C
- (3) T<sub>amb</sub> = 55°C, still air.

|                             |   |  |  |  |  |  |
|-----------------------------|---|--|--|--|--|--|
| CHANGES SINCE LAST ISSUE: Δ |   |  |  |  |  |  |
| Issue                       | A |  |  |  |  |  |