



GE Sensing

A COMMITMENT TO EXCELLENCE

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| | | |
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| TEST SPECIFICATION | PART No. YQS5838PTF | ISSUE: A |
| CUSTOMER: VARIOUS | DATE: 18th December, 2009 | QUANTITY: 10 |
| Customer P/N: | ORIGINATOR: M.J.Roberts | PAGE 1 OF 1 |

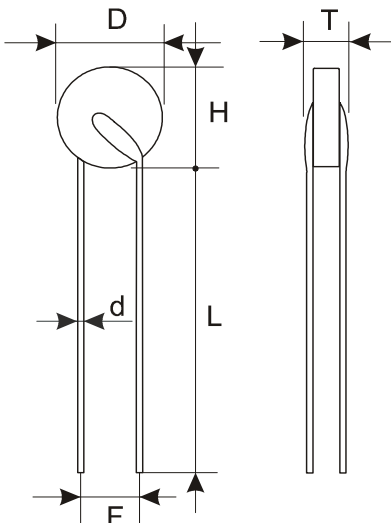
DESCRIPTION: PTC THERMISTOR INTENDED FOR USE AS A CURRENT LIMITING PROTECTION DEVICE

MECHANICAL SPECIFICATION

CONSTRUCTION: BARE CERAMIC DISC WITH UNINSULATED LEADWIRES.
THICK FILM SILVER ELECTRODES

TERMINATIONS: STRAIGHT TYPE, TIN COATED COPPER WIRE

DIMENSIONS in mm: SEE DRAWING BELOW.



| | D | T | H | F | D | L |
|-----|----------|----------|----------|----------|----------|----------|
| Max | 8.9 | 3.8 | 8.9 | 4.0 | 0.62 | |
| Min | | | | 6.0 | 0.55 | 25 |

ELECTRICAL SPECIFICATION:

| | | |
|---|-----------------|-----|
| RESISTANCE AT 25°C, R ₂₅ : | 10Ω ± 20% | (1) |
| SWITCHING TEMPERATURE, T _b : | 120°C ± 10°C | (2) |
| MAXIMUM CURRENT WITHOUT TRIPPING (I _{nt}), T _{amb} =55°C | 140mA | |
| MINIMUM TRIP CURRENT (I _t), T _{amb} =25°C: | 290mA | |
| NORMAL OPERATING VOLTAGE | 12Vdc | |
| MAXIMUM OPERATING VOLTAGE, V _{max} : | >18Vdc | |
| AMBIENT TEMPERATURE RANGE, | | |
| STORAGE | - 25 to + 155°C | |
| AT MAXIMUM VOLTAGE | - 10 to + 55°C | |

NOTES:

- (1) Measuring Current: 1mA max.
- (2) Resistance – 2 x Resistance minimum

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| CHANGES SINCE LAST ISSUE: Δ | | | | | | | |
| Issue : | A | | | | | | |
| Date : | 18/12/09 | | | | | | |