



# GE Sensing

A COMMITMENT TO EXCELLENCE

GE Sensing, Crown Industrial Estate, Priorswood Road, Taunton, Somerset, TA2 8QY, UK  
Tel +44 (0) 1823 335200 Fax +44 (0) 1823 332637

<b>TEST SPECIFICATION</b>	GE PART No. <b>YQS5856PTF</b>	ISSUE: A
CUSTOMER: Various	DATE: <b>21<sup>st</sup> December, 2009</b>	QUANTITY:
Customer P/N:	ORIGINATOR: M.J.Roberts	PAGE 1 OF 1

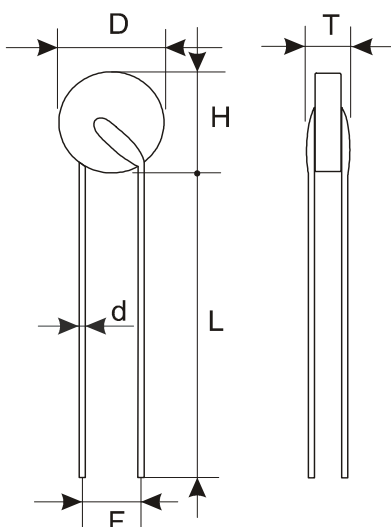
**DESCRIPTION:** PTC THERMISTOR INTENDED FOR USE AS A CURRENT LIMITING PROTECTION DEVICE

## MECHANICAL SPECIFICATION

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

**TERMINATIONS:** STRAIGHT TYPE, TIN COATED COPPER WIRE

**DIMENSIONS in mm:** SEE DRAWING AND TABLE BELOW.



	D	T	H	F	d	L
Max	10.7	5.1	12.0	6.0	0.55	
Min				4.0	0.45	25

## ELECTRICAL SPECIFICATION

RESISTANCE AT 25°C, R <sub>25</sub> :	100Ω ± 20% (1)
SWITCHING TEMPERATURE, T <sub>b</sub> :	120 ± 10°C (2)
MAXIMUM OPERATING VOLTAGE, V <sub>max</sub> :	50V
MAXIMUM CURRENT WITHOUT SWITCHING, I <sub>nt</sub> , T <sub>amb</sub> 55°C:	60mA
MINIMUM SWITCHING CURRENT, I <sub>t</sub> T <sub>amb</sub> 25°C:	120 mA
AMBIENT TEMPERATURE RANGE, STORAGE:	- 25 to + 155°C

### NOTES:

- (1) Measuring current: 5mA max.
- (2) Resistance = 2 × Resistance minimum

CHANGES SINCE LAST ISSUE: Δ							
Issue :	A						
Date :	21/12/09						

The copyright in this Specification/Drawing/Document is the property of Thermometrics and the Specification/Drawing/Document is issued on the condition that it is not copied, reprinted, stored in an electronic retrieval system or reproduced, nor its contents disclosed either wholly or in part to any Third Party without either the consent in writing of or in accordance with the conditions of a contract with Thermometrics@GE THERMOMETRICS.