



# GE Sensing

A COMMITMENT TO EXCELLENCE

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<b>TEST SPECIFICATION</b>	PART No. <b>YQS5846PTF</b>	ISSUE: A
CUSTOMER: <b>Various</b>	DATE: <b>24<sup>th</sup> March, 2010</b>	QUANTITY:
Customer P/N:	ORIGINATOR: <b>M.J.Roberts</b>	PAGE 1 OF 1

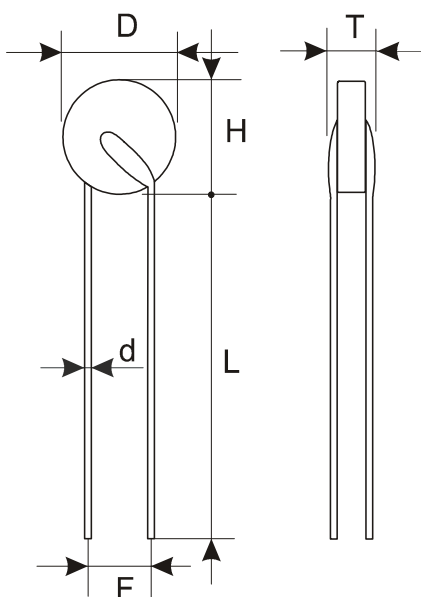
**DESCRIPTION:** PTC THERMISTOR INTENDED FOR USE AS A CURRENT LIMITING PROTECTION DEVICE

## 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.



	D	T	H	F	d	L
<b>Max</b>	14.0	4.6	16.0	6.0	0.62	
<b>Min</b>				4.0	0.58	25

## ELECTRICAL SPECIFICATION

RESISTANCE AT 25°C, R<sub>25</sub>: 3Ω ± 20% (1)  
 SWITCHING TEMPERATURE, T<sub>b</sub>: 120 ± 10°C (2)  
 MAXIMUM CURRENT WITHOUT TRIPPING, I<sub>nt</sub>, T<sub>amb</sub>=55°C, duration 600s: 370mA  
 MINIMUM TRIP CURRENT, I<sub>t</sub>, T<sub>amb</sub>=25°C: 740mA  
 MAXIMUM OPERATING VOLTAGE, V<sub>max</sub>: 25V  
 AMBIENT TEMPERATURE RANGE,

STORAGE: - 25 to + 155°C  
 AT MAXIMUM VOLTAGE: +10 to + 55°C

## NOTES

- (1) Measuring current: 1A max  
 (2) Resistance = 2 × Resistance minimum

CHANGES SINCE LAST ISSUE: Δ							
Issue :	A						
Date :	24/03/10						