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[Amphenol Advanced Sensors \(formerly GE Sensing\)  
YQS5868PTF](#)

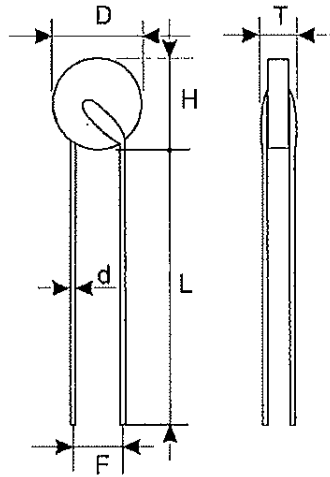
For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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<b>TEST SPECIFICATION</b>		PART No. <b>YQS5868PTF</b>	ISSUE: A
CUSTOMER: Various		DATE: <b>22<sup>nd</sup> February, 2011</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>	13.5	5.1	14.0	6.0	0.66	
<b>Min</b>				4.0	0.55	25

**ELECTRICAL SPECIFICATION**

- RESISTANCE AT 25°C,  $R_{25}$ :  $50\Omega \pm 20\%$  (1)  
 SWITCHING TEMPERATURE,  $T_b$ :  $110 \pm 10^\circ\text{C}$  (2)  
 MAXIMUM CURRENT AT 25°C, WITHOUT TRIPPING,  $I_{nt}$ : 80mA  
 MINIMUM SWITCHING CURRENT AT 25°C,  $I_t$ : 170mA  
 MAXIMUM OPERATING VOLTAGE,  $V_{max}$ : 120V  
 AMBIENT TEMPERATURE RANGE:

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

**NOTES:**

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

CHANGES SINCE LAST ISSUE: $\Delta$							
Issue :	A						
Date :	22/02/11						

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