



# Amphenol Advanced Sensors

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<b>TEST SPECIFICATION</b>	PART No. <b>YS4020</b>	ISSUE: <b>B</b>
CUSTOMER: <b>Various</b>	DATE: <b>9<sup>th</sup> May 2014</b>	QUANTITY :
Customer P/N:	ORIGINATOR: <b>M.J.Roberts</b>	PAGE 1 OF 2

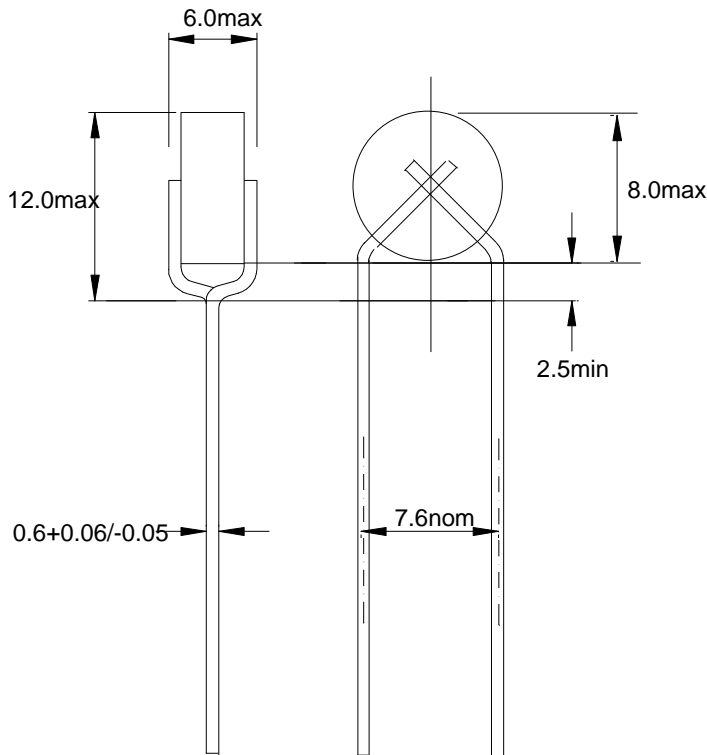
**DESCRIPTION:** PTC THERMISTOR INTENDED FOR USE AS A CURRENT LIMITING PROTECTION DEVICE

## **MECHANICAL SPECIFICATION**

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

**TERMINATIONS:** TIN COATED COPPER WIRE

**DIMENSIONS** in mm NTS: SEE DRAWING BELOW



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<b>CHANGES SINCE LAST ISSUE:</b> Δ Update to Amphenol							
Issue :	A	B					
Date :	26/02/10	9/05/14					

**ELECTRICAL SPECIFICATION:**

RESISTANCE AT 25 °C	:	1.1kΩ ± 20%	(1)
RESISTANCE, -20°C to +55°C	:	2.0kΩ max.	(1)
SWITCHING TEMPERATURE	:	80 ± 10°C	(2)
MAXIMUM VOLTAGE (V <sub>MAX</sub> )	:	1000Vrms	
MAXIMUM INRUSH CURRENT	:	0.6A rms approx	(3)
RESIDUAL CURRENT AT V <sub>MAX</sub> (I <sub>r</sub> )	:	2.0mA max.	(4)
AMBIENT TEMPERATURE RANGE			
at maximum voltage	:	-20 to +60°C	
storage	:	-25 to +125°C	

**NOTES:**

- (1) *Measuring current : 1mA max.*
- (2) *Resistance = 2 × Resistance minimum.*
- (3) *V = Vmax. R<sub>series</sub> = 1.0kΩ.*
- (4) *Mounting for test: Device held in test clips, leadlength from disc head to clip: 10mm.  
Measurement made in still air, T<sub>amb</sub> = 25 °C.*

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