



# Amphenol Advanced Sensors

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<b>PRODUCT SPECIFICATION</b>	<b>PART No. YS4020 (UL)</b>	<b>ISSUE: C</b>
<b>CUSTOMER: Various</b>	<b>DATE: 1<sup>st</sup> April 2022</b>	<b>QUANTITY :</b>
<b>Customer P/N:</b>	<b>ORIGINATOR: M.J.Roberts</b>	<b>PAGE 1 OF 2</b>

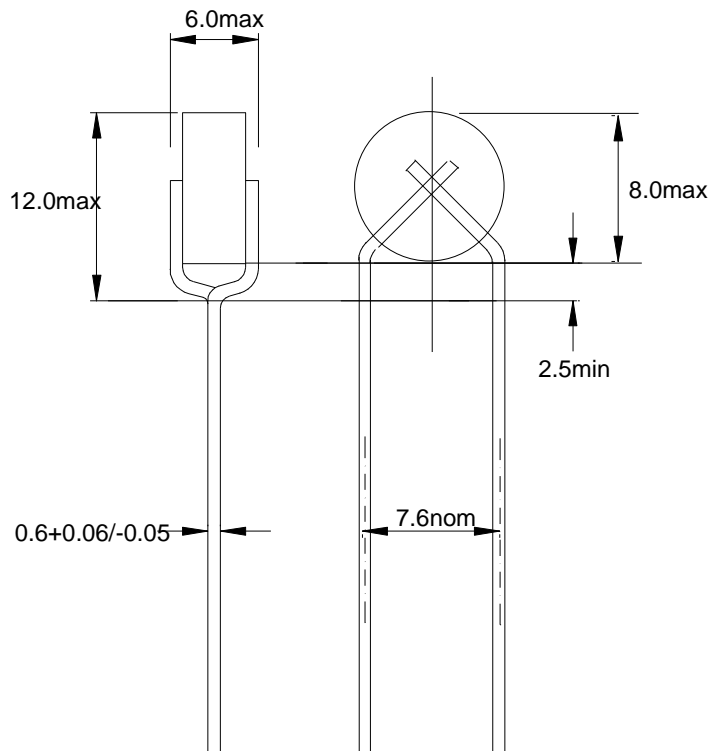
**DESCRIPTION:** PTC THERMISTOR INTENDED FOR USE AS A CURRENT LIMITING PROTECTION DEVICE

## **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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CHANGES SINCE LAST ISSUE: Δ Add UL code as return to 100% UK build							
Issue :	A	B	C				
Date :	26/02/10	9/05/14	1-04-22				

## **ELECTRICAL SPECIFICATION:**

RESISTANCE AT 25 °C	:	1.1k $\Omega$ $\pm$ 20%	(1)
RESISTANCE, -20°C to +55°C	:	2.0k $\Omega$ max.	(1)
SWITCHING TEMPERATURE	:	80 $\pm$ 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  $\times$  Resistance minimum.*
- (3) *V = Vmax. R<sub>series</sub> = 1.0k $\Omega$ .*
- (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.*

UL Code: (I/1000-GG-1100/B)