



# GE Sensing

A COMMITMENT TO EXCELLENCE

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<b>TEST SPECIFICATION</b>	PART No. <b>YQS8066</b>	ISSUE: A
CUSTOMER: <b>Various</b>	DATE: <b>3<sup>rd</sup> February 2010</b>	QUANTITY :
<b>Replacement for YM120D150N330</b>	ORIGINATOR: <b>M.J.Roberts</b>	PAGE 1 OF 1

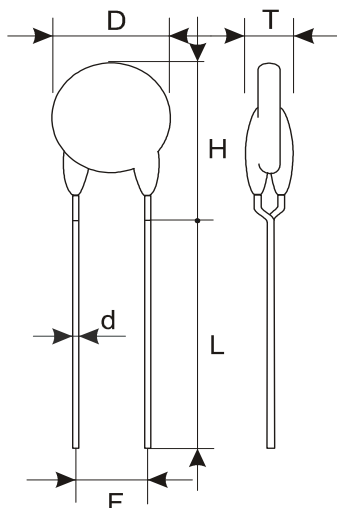
**DESCRIPTION:** PTC THERMISTOR INTENDED FOR USE AS A CURRENT LIMITING PROTECTION DEVICE

## MECHANICAL SPECIFICATION

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

**TERMINATIONS:** TIN COATED COPPER WIRE , SIDE KINK

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



	D	T	H	F	d	L
Max	7.5	4.5	12.0	6.0	0.62	
Min				4.0	0.58	25

## ELECTRICAL SPECIFICATION:

RESISTANCE AT 25°C, R <sub>25</sub> :	33Ω ± 20%	(1)
SWITCHING TEMPERATURE, T <sub>b</sub> :	115 ± 5°C	(2)
MAXIMUM CURRENT WITHOUT TRIPPING, T <sub>amb</sub> =55°C, I <sub>nt</sub> :	99mA	(3)
MINIMUM TRIP CURRENT, T <sub>amb</sub> =10°C, I <sub>t</sub> :	198mA	(4)
MAXIMUM INRUSH CURRENT, I <sub>mo</sub> .....	0.9 Arms	(5)
MAXIMUM OPERATING VOLTAGE, V <sub>max</sub> :	265Vrms	(6)
AMBIENT TEMPERATURE RANGE,		
STORAGE	- 25 to + 155°C	
AT MAXIMUM VOLTAGE	+ 10 to + 55°C	

## NOTES:

- (1) Measuring Current: 1mA max. (2) Resistance = 2 × Resistance minimum
- (3) At 55°C, 245V limit of supply voltage, still air (4) At 10°C, 245V limit of supply voltage, still air
- (5) T<sub>amb</sub> = 55°C, limit of supply voltage 265V, still air, measured after 1 min. (6) T<sub>amb</sub> = 55°C, still air.

CHANGES SINCE LAST ISSUE: Δ						
Issue :	A					
Date :	3-02-10					

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