



# GE Sensing

A COMMITMENT TO EXCELLENCE

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<b>TEST SPECIFICATION</b>	PART No. <b>YQS8121T</b>	ISSUE: A
CUSTOMER: <b>Various</b>	DATE: <b>8<sup>th</sup> April, 2010</b>	QUANTITY:
<b>Replacement for YPCL0120T</b>	ORIGINATOR: <b>M.J.Roberts</b>	PAGE 1 OF 2

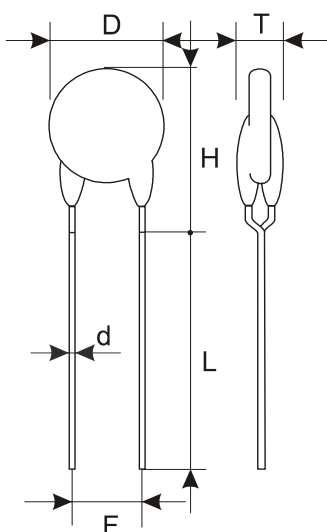
**DESCRIPTION:** PTC THERMISTOR INTENDED FOR USE AS A CURRENT LIMITING PROTECTION DEVICE

## MECHANICAL SPECIFICATION

**CONSTRUCTION:** 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
<b>Max</b>	6.5	5.0	12.0	6.0	0.66	
<b>Min</b>				4.0	0.54	25

## ELECTRICAL SPECIFICATION:

RESISTANCE AT 25°C, R <sub>25</sub> :	120Ω +/- 25%	(1)
SWITCHING TEMPERATURE, T <sub>b</sub> :	110°C	(2)
TRIPPING CURRENT (I <sub>t</sub> ):	80mA	(3)
MAXIMUM NON-TRIPPING CURRENT (I <sub>nt</sub> ):	35mA	(3)
MAXIMUM VOLTAGE V <sub>max</sub> :	265V <sub>rms</sub>	
MAXIMUM RESIDUAL CURRENT with V <sub>max</sub> (I <sub>res</sub> ):	10mA	(3)
MAXIMUM OVERLOAD CURRENT (I <sub>mo</sub> ):	0.4A	(4)
AMBIENT TEMPERATURE RANGE,		

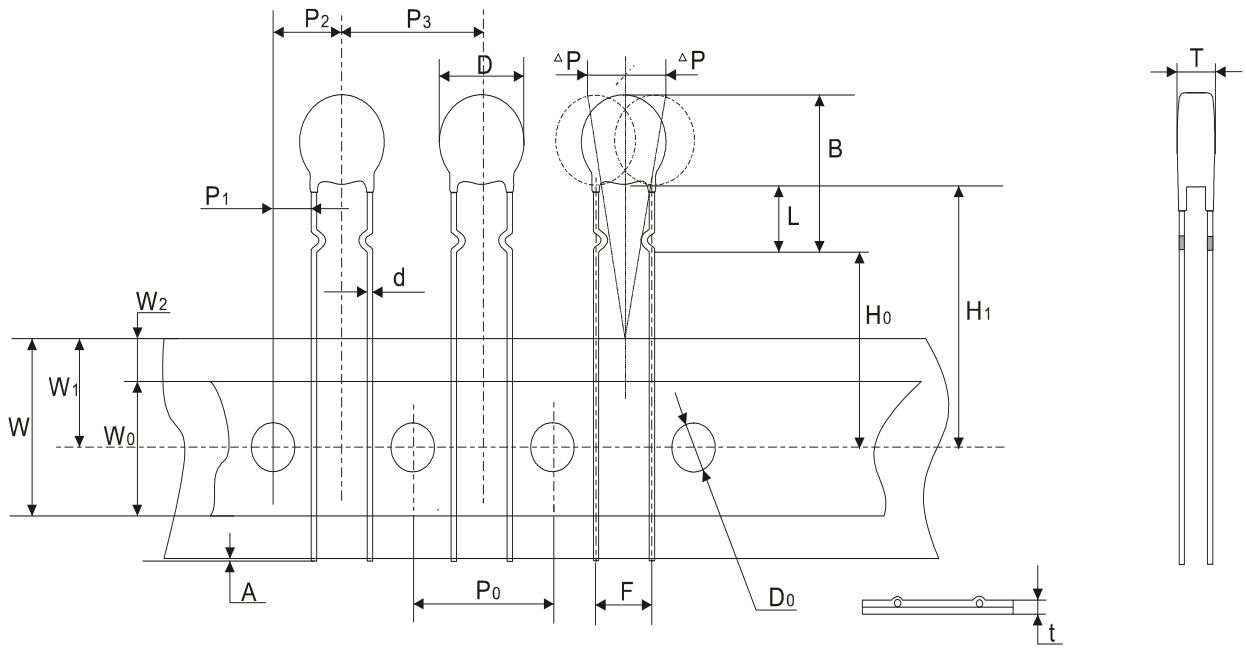
STORAGE: -40 to +125°C  
AT MAXIMUM VOLTAGE: 0 to +60°C

## NOTES:

- (1) Measuring Current: 1mA max. (2) Resistance = 2 × Resistance minimum  
(3) still air, 25 °C (4) 265V<sub>rms</sub>

CHANGES SINCE LAST ISSUE: Δ							
Issue :	A						
Date :	08/04/10						

**PACKING: TAPE AND REEL (Dimensions in mm)**



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<b>ITE</b>	<b>P0</b>	<b>F</b>	<b>A</b>	<b>D0</b>	<b>t</b>	<b>W</b>
Nor	12.7	5.0	1max	4	0.6	18
TOL	±0.3	+0.5		±0.2	±0.2	±1
<b>ITE</b>	<b>P2</b>	<b>P1</b>	<b>P3</b>	<b>ΔP</b>	<b>Δh</b>	<b>L</b>
Nor	6.35	3.85	12.7	±1.5	2.0max	5
TOL	±1.3	±0.8				±1
<b>ITE</b>	<b>W0</b>	<b>W1</b>	<b>W2</b>	<b>H0</b>	<b>H1</b>	<b>d</b>
Nor	12	9	3	16	21	0.60
TOL	±1	±1	±1	±0.5	±0.5	±0.05

	<b>D</b>	<b>T</b>
Max	6.5	5.0
Min		

Quantity: 1000PCS/tape and reel