TEST SPECIFICATION

CUSTOMER: Various

DATE: 25th February, 2010

PART No. YQS5745PT0

ORIGINATOR: M.J.Roberts

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.

<table>
<thead>
<tr>
<th></th>
<th>D</th>
<th>T</th>
<th>H</th>
<th>F</th>
<th>d</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max</td>
<td>8.89</td>
<td>3.81</td>
<td>10.0</td>
<td>6.0</td>
<td>0.55</td>
<td></td>
</tr>
<tr>
<td>Min</td>
<td>4.0</td>
<td>0.45</td>
<td>25</td>
<td></td>
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</tbody>
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ELECTRICAL SPECIFICATION

RESISTANCE AT 25°C, \( R_{25} \):

\[ 50 \Omega \pm 30\% \]  (1)

SWITCHING TEMPERATURE, \( T_b \):

\[ 43 \pm 7°C \]  (2)

MAXIMUM OPERATING VOLTAGE \( V_{\text{max}} \):

\[ 25V \]  (3)

AMBIENT TEMPERATURE RANGE.

STORAGE: \(-25\) to \(+155°C\)

AT MAXIMUM VOLTAGE:

\(+10\) to \(+55°C\)

NOTES:

(1) Measuring current: 10mA max.
(2) Resistance = \( 2 \times \) Resistance at 25°C
(3) \( Tamb = 55°C, \) still air.

CHANGES SINCE LAST ISSUE: A

Issue : A
Date : 25/02/10