NOTES:

1. DETECTOR CENTERED WITHIN +/- .010 WITH RESPECT TO THRU HOLES.

2. FINISH: ALL EXPOSED METAL SURFACES ARE TO BE GOLD PLATED.

3. PACKAGE SPECIFICATIONS: TO-37

MATERIAL TYPE: InAs
ACTIVE AREA SIZE: 2.0 mm DIA
DETECTOR TESTED AT (DEGREES CELSIUS): -20 °C
PEAK RESPONSE: 1.25 A/W
DETECTOR SHUNT IMPEDANCE (22 °C): 5 ohms
DETECTOR SHUNT IMPEDANCE (-20 °C): 50 ohms
DETECTIVITY (PEAK, 1kHz, 1Hz): 1.5E10
WINDOW MATERIAL: SAPPHIRE

TABLE I

<table>
<thead>
<tr>
<th>PIN #</th>
<th>DESIGNATION</th>
<th>COLOR</th>
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<tbody>
<tr>
<td>1</td>
<td>THERMISTOR</td>
<td>YELLOW</td>
</tr>
<tr>
<td>2</td>
<td>THERMISTOR</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>TE COOLER (+)</td>
<td>RED</td>
</tr>
<tr>
<td>4</td>
<td>TE COOLER (-)</td>
<td>BLACK</td>
</tr>
<tr>
<td>5</td>
<td>DETECTOR ANODE (+)</td>
<td>GREEN</td>
</tr>
<tr>
<td>6</td>
<td>DETECTOR CATHODE (-)</td>
<td>WHITE</td>
</tr>
</tbody>
</table>

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES

<table>
<thead>
<tr>
<th>NUMBERS</th>
<th>INCHES</th>
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TELEPHONE/JORDAN TECHNOLOGIES
200 CENTER COURT
ROANOKE, VA 24013

REV 0
INITIAL RELEASE
8/1/03 KWM/RLS

REVISIONS

1. DRAWN IN CAD AT PER DCN 400000 03/09/99 PC/AR
2. CHANGES PER DCN 402905 04/22/02 WR/ORG

DRAWN BY
J.L.H.
6/7/93

CHECKED BY
R.L. SCHAPIER
6/7/93

APPROVED BY
M.W.
6/13/93

J HALL
6/13/93

NEXT ASSY

USED ON

THIRD ANGLE PROJECTION

SCALE 4:1
DO NOT SCALE Dwg Sheet 1 of 1

J12TE1-37S-R02M

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