.37 DIA CLEAR OPENING
.020 THK SAPPHIRE WINDOW

.55 DIA

.12 TO DETECTOR PLANE

PINS OMITTED
FOR CLARITY

BOTTOM VIEW

9X .030 DIA PINS ON
.425 DIA B.C.
SPACED 38° APART

1. PIN NUMBERS FOR REF ONLY.

PRODUCT MARKING.

3. MATES WITH P/N 300395 SOCKET, TO-66, 9-PIN

4. DETECTOR SPECIFICATIONS:
   MATERIAL TYPE: HgCdTe
   ACTIVE AREA SIZE: 0.250 mm x 0.250 mm
   DETECTOR SPECIFICATIONS AT: -40 °C
   MINIMUM D+ (500K, 10kHz, 1Hz): 1.8600 cmHz/1/2 W-1
   MINIMUM WAVELENGTH CUTOFF: 50% AT 4.5 um
   MAXIMUM BIAS VOLTAGE: 1.75 VDC
   THERMISTOR RESISTANCE: 15-25 Kohms
   WINDOW MATERIAL: SAPPHIRE AR COATED 1-6 um
   PACKAGE DESCRIPTION: TO-66

PIN CHART

<table>
<thead>
<tr>
<th>PIN</th>
<th>FUNCTION</th>
<th>COLOR CODE</th>
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<tbody>
<tr>
<td>1</td>
<td>COOLER (+)</td>
<td>RED</td>
</tr>
<tr>
<td>2</td>
<td>CASE GND</td>
<td>CLEAR</td>
</tr>
<tr>
<td>3</td>
<td>N/C</td>
<td>CLEAR</td>
</tr>
<tr>
<td>4</td>
<td>N/C</td>
<td>CLEAR</td>
</tr>
<tr>
<td>5</td>
<td>THERMISTOR</td>
<td>YELLOW</td>
</tr>
<tr>
<td>6</td>
<td>DETECTOR</td>
<td>GREEN</td>
</tr>
<tr>
<td>7</td>
<td>DETECTOR</td>
<td>WHITE</td>
</tr>
<tr>
<td>8</td>
<td>DETECTOR</td>
<td>WHITE</td>
</tr>
<tr>
<td>9</td>
<td>COOLER (-)</td>
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NOTES:

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES

TOLERANCES

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<tr>
<td>±0.005</td>
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</table>

K.F.M.

K.F.MARSHALL

S. STRATEN

WILLIAM ROLLS

D.F. GREENE

NEXT ASSY USED ON

2:1 SCALE

DO NOT SCALE DWG

1 of 1 SHEET

TELEPHONE VISION TECHNOLOGIES

273 COMMERCIAL DRIVE

MONTGOMERYVILLE PA USA 18936

1093

450825P00

REV

8

J15TE2 : 4 .5-66C-S250U

12/03/99

2/10/99