.37 DIA CLEAR OPENING
.040 THK GERMANIUM WINDOW

.55 DIA

.342 TO DETECTOR PLANE
PINS OMITTED FOR CLARITY

.435
.50
.060

1.24
.960

2X .147 DIA

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

NOTES:
1) PIN NUMBERS FOR REF ONLY.
2) PRODUCT MARKING.

3. PACKAGE SPECIFICATIONS:
   MATERIAL TYPE: HgCdTe
   ACTIVE AREA SIZE: 0.250 mm x 0.250 mm
   DETECTOR SPECIFICATIONS AT: -55 °C
   MINIMUM D* (PEAK, 1kHz, 1Hz): 1.0E08 cmHz1/2W-1
   MINIMUM RESPONSIVITY (PEAK, 900Hz): 5 V/W TYPICAL
   WAVELENGTH PEAK: 10 um APPROXIMATELY
   MINIMUM WAVELENGTH CUTOFF: 50% AT 11um APPROXIMATELY
   WINDOW MATERIAL: Ge AR COATED 2-14 um
   PACKAGE DESCRIPTION: TO-66

PIN CHART

<table>
<thead>
<tr>
<th>PIN</th>
<th>FUNCTION</th>
<th>COLOR CODE</th>
</tr>
</thead>
<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>WHITE</td>
</tr>
<tr>
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</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>COOLER (-)</td>
<td>BLACK</td>
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</tbody>
</table>

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOOLENCE TOLERANCES

DECIMALS
X = .001
XX = .0001
XXX = .00001

K.F.M.  1/20/01
K.F.MARSHALL  1/20/01

FRANK CECI
DON O'DOLAN
WILLIAM ROLLS
D.F.GREENE

NEXT ASSY USED ON
SECOND ANGLE PROJECTION

SCALE: 2:1
DO NOT SCALE DWG SHEET 1 of 1