1. PIN NUMBERS FOR REF. ONLY.
2. PRODUCT MARKING.
3. MATE WITH P/N 300359 SOCKET, TO-66, 9-PIN.
4. SPECIFICATION FOR A THERMOELECTRICALLY COOLED PHOTOVOLTAIC HgCdTe DETECTOR
   MATERIAL TYPE: PV HgCdTe 2.8 un
   ACTIVE AREA SIZE: 0.250 mm Dia
   PACKAGE SPECIFICATIONS: TO-66C
   DETECTOR SPECIFICATIONS AT (UNLESS NOTED): -20°C
   MINIMUM D (PEAK, 10kHz, Hz): 7.7E10 cmHz1/2/W-1
   MINIMUM RESPONSIVITY (PEAK, 500Hz): 1.3 A/W
   WAVELENGTH CUTOFF (TYPICAL): 500 nm at 2.8 un
   PEAK WAVELENGTH (TYPICAL): 2.6 un
   MINIMUM DETECTOR SHUNT IMPEDANCE AT 22°C: 75 Kohms
   MINIMUM DETECTOR SHUNT IMPEDANCE: 0.1 Kohms
   BIAS VOLTAGE (UNLESS NOTED): 0.0 V
   MAXIMUM REVERSE VOLTAGE (VR): 0.2 V
   MAXIMUM DARK CURRENT AT (ID) AT V=1: 1 µA
   WINDOW MATERIAL: Sapphire AR Coated 1-6 un

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(ON)</td>
<td>CLEAR</td>
</tr>
<tr>
<td>3</td>
<td>DETECTOR ANODE (+)</td>
<td>GREEN</td>
</tr>
<tr>
<td>4</td>
<td>DETECTOR CATHODE (-)</td>
<td>WHITE</td>
</tr>
<tr>
<td>5</td>
<td>THERMISTOR</td>
<td>YELLOW</td>
</tr>
<tr>
<td>6</td>
<td>THERMISTOR</td>
<td>YELLOW</td>
</tr>
<tr>
<td>7</td>
<td>N/C</td>
<td>CLEAR</td>
</tr>
<tr>
<td>8</td>
<td>N/C</td>
<td>CLEAR</td>
</tr>
<tr>
<td>9</td>
<td>COOLER (-)</td>
<td>BLACK</td>
</tr>
</tbody>
</table>

TOP VIEW

BOTTOM VIEW

9X .030 DIA PINS ON .425 DIA B.C. SPACED 36° APART

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS ANGULAR

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

K.F.H. 06/16/02
K.F. MARSHALL 06/16/02

T. J. TELEPHONE AND TELEGRAPH COMPANY
220 COMMERCIAL DRIVE MONTGOMERYVILLE, PA 18936

WILLIAM ROLLS 06/16/02
D. F. GREENE 06/16/02

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