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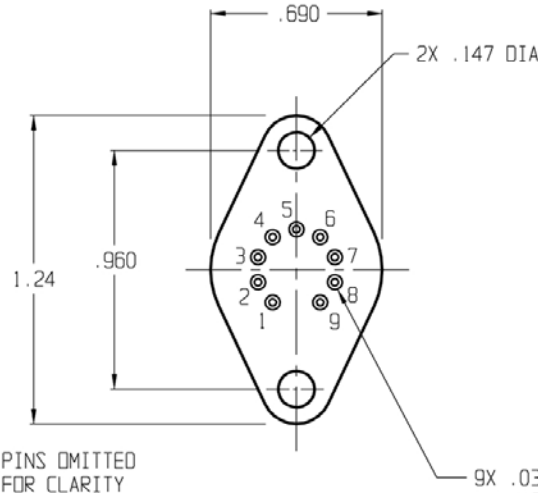
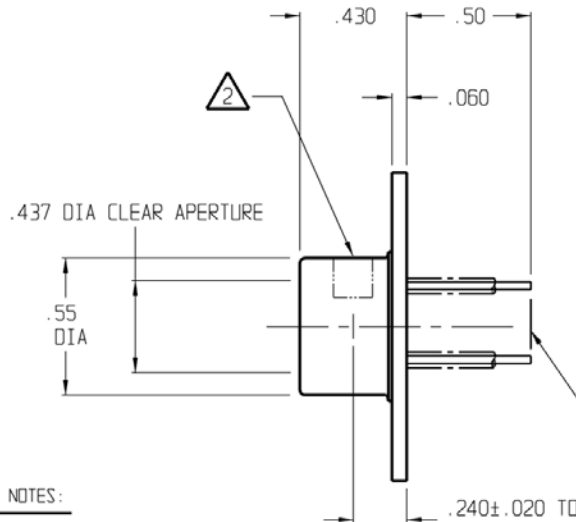
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REVISIONS

REV	DESCRIPTION	DATE	APPROVED
0	INITIAL RELEASE	05/24/02	WR/DFG



PIN CHART

PIN	FUNCTION	COLOR CODE
1	COOLER (+)	RED
2	CASE (GND)	CLEAR
3	DETECTOR ANODE (+)	GREEN
4	DETECTOR CATHODE (-)	WHITE
5	THERMISTOR	YELLOW
6	THERMISTOR	YELLOW
7	N/C	CLEAR
8	N/C	CLEAR
9	COOLER (-)	BLACK

NOTES:

- PIN NUMBERS FOR REF ONLY.
- PRODUCT MARKING.
- MATES WITH P/N 300359 SOCKET, TO-66, 9-PIN.

4. SPECIFICATION FOR A THERMOELECTRICALLY COOLED PHOTOVOLTAIC HgCdTe DETECTOR

MATERIAL TYPE: PV HgCdTe 2.8 um
 ACTIVE AREA SIZE: 1.0 mm Dia
 PACKAGE SPECIFICATIONS: TO-66C
 DETECTOR SPECIFICATIONS AT (UNLESS NOTED): -20° C
 MINIMUM D* (PEAK, 10KHz, 1Hz): 9.7E10 cmHz^{1/2}/W-1
 MINIMUM RESPONSIVITY (PEAK, 900Hz): 1.3 A/W
 WAVELENGTH CUTOFF (TYPICAL): 50% at 2.8 um
 PEAK WAVELENGTH (TYPICAL): 2.6 um
 MINIMUM DETECTOR SHUNT IMPEDANCE AT 22° C: 750 Ohms
 MINIMUM DETECTOR SHUNT IMPEDANCE: 10 Kohms
 MAXIMUM REVERSE VOLTAGE (V_r): 0.2 V
 MAXIMUM DARK CURRENT AT (I_d) AT V_r = .1V: 10 uA
 WINDOW MATERIAL: Soppshire AR Coated 1-6 um

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES:

TOLERANCES

DECIMALS	ANGULAR
.X ± .02	± 1/2°
.XX ± .01	
.XXX ± .005	

NEXT ASSY USED ON

DRWN	K.F.M.	DATE	05/24/02
DESIGN	K.F. MARSHALL	DATE	5/24/02
CHECK	FRANK CECI	DATE	5/28/2002
PROJECT	N/A	DATE	-----
PRG APPRVL	WILLIAM ROLLS	DATE	5/30/02
QA APPRVL	D.F. GREENE	DATE	5/30/02

THIRD ANGLE PROJECTION

TELEDYNE JUDSON TECHNOLOGIES
 A Teledyne Technologies Company

221 COMMERCE DRIVE
 MONTGOMERYVILLE, PA 18936

TITLE

J19TE1:2.8-66C-R01M

SIZE

B

DWG NO.

440047P00

REV

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SCALE 2:1

DO NOT SCALE DWG

SHEET 1 of 1

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