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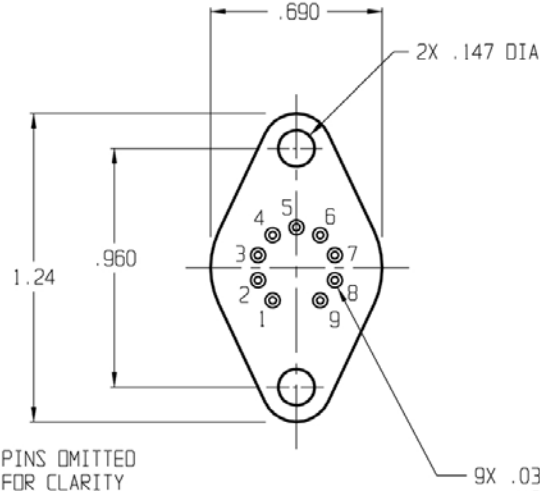
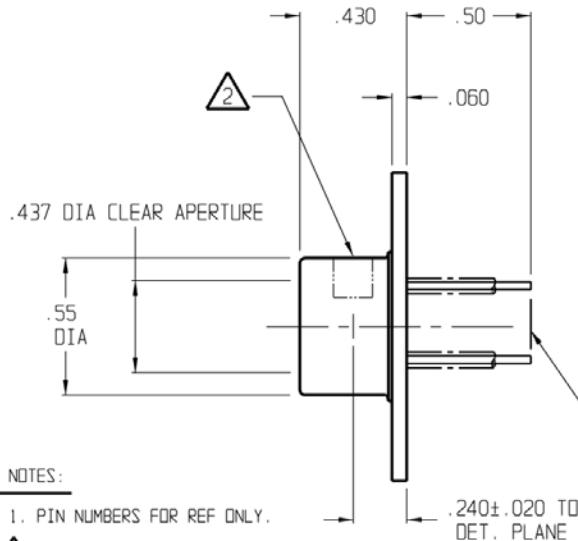
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REVISIONS

REV	DESCRIPTION	DATE	APPROVED
0	INITIAL RELEASE	06/18/02	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.
- SPECIFICATION FOR A THERMOELECTRICALLY COOLED PHOTOVOLTAIC HgCdTe DETECTOR
 MATERIAL TYPE: PV HgCdTe 2.8 um
 ACTIVE AREA SIZE: 0.250 mm Dia
 PACKAGE SPECIFICATIONS: TO-66C
 DETECTOR SPECIFICATIONS AT (UNLESS NOTED): -20° C
 MINIMUM D* (PEAK, 10KHz, 1Hz): 7.7E10 cmHz/1/2W-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: 7.5 Kohms
 MINIMUM DETECTOR SHUNT IMPEDANCE: 0.1 Mohms
 BIAS VOLTAGE (UNLESS NOTED): 0.0 V
 MAXIMUM REVERSE VOLTAGE (Vr): 0.2 V
 MAXIMUM DARK CURRENT AT (Id) AT Vr=.1V: 1 uA
 WINDOW MATERIAL: Sapphire AR Coated 1-6 um

PINS OMITTED FOR CLARITY

BOTTOM VIEW

9X .030 DIA PINS ON
.425 DIA B.C.
SPACED 36° APARTUNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES:

TOLERANCES

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

NEXT ASSY USED ON

DRN	K.F.M.	DATE	06/18/02
DESIGN	K.F. MARSHALL	DATE	6/18/02
CHECK	FRANK CECI	DATE	6/18/2002
PROJECT	N/A	DATE	-----
DFG APPRVL	WILLIAM ROLLS	DATE	6/18/02
QA APPRVL	D.F. GREENE	DATE	6/18/02

THIRD ANGLE
PROJECTION

TELEDYNE JUDSON TECHNOLOGIES A Teledyne Technologies Company		221 COMMERCE DRIVE MONTGOMERYVILLE, PA 18936	
TITLE J19TE1:2.8-66C-R250U			
SIZE B	DWG NO. 56586	REV 440048P00	REV 0
SCALE 2:1	DO NOT SCALE DWG	SHEET 1 of 1	

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