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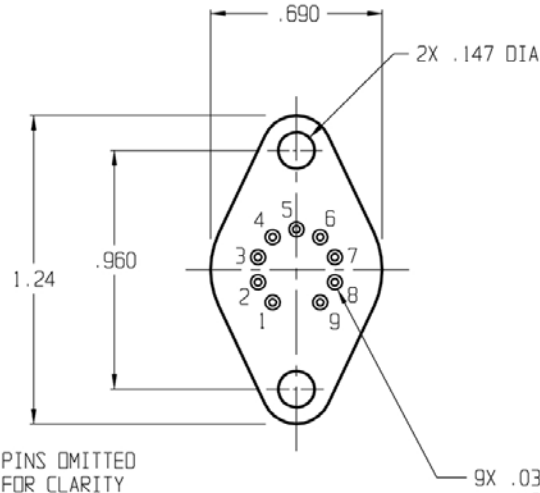
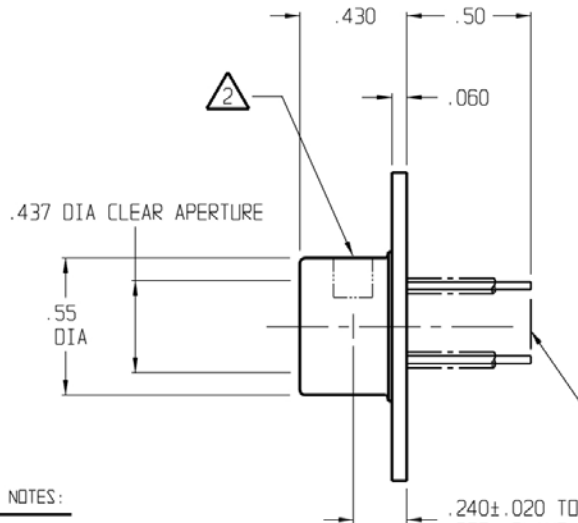
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## REVISIONS

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 5.0 um  
 ACTIVE AREA SIZE: 0.250 mm Dia  
 PACKAGE SPECIFICATIONS: TO-66C  
 DETECTOR SPECIFICATIONS AT (UNLESS NOTED): -20° C  
 MINIMUM D\* (PEAK, 10KHz, 1Hz): 7.4E09 cmHz<sup>1/2</sup>W<sup>-1</sup>  
 MINIMUM RESPONSIVITY (PEAK, 900Hz): 2.8 A/W  
 WAVELENGTH CUTOFF (TYPICAL): 50% at 5.0 um  
 PEAK WAVELENGTH (TYPICAL): 4.5 um  
 MINIMUM DETECTOR SHUNT IMPEDANCE: 2 Kohms  
 BIAS VOLTAGE: -0.1 V  
 MAXIMUM REVERSE VOLTAGE (V<sub>r</sub>): 0.5 V  
 MAXIMUM DARK CURRENT: 0.2 nA  
 WINDOW MATERIAL: Sapphirine 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

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 APPROV	WILLIAM ROLLS	DATE	6/18/02
QA APPROV	D.F. GREENE	DATE	6/19/02

THIRD ANGLE PROJECTION

		221 COMMERCE DRIVE MONTGOMERYVILLE, PA 18936	
TITLE			
J19TE1:5-66C-R250U			
SIZE	DWG NO.	REV	
B	56586	440052P00	0
SCALE	DO NOT SCALE DWG		SHEET 1 of 1
2:1			

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