.37 DIA CLEAR OPENING
.020 THK SAPPHIRE WINDOW
(A/R COATED 1-4 un)

.34 TO DETECTOR PLANE
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 7 N/C CLEAR
8 9 COOLER (-) BLACK

NOTES:
1. PIN NUMBERS FOR REF ONLY.
2. PRODUCT MARKING.
3. MATE WITH P/N 300359 SOCKET, TO-66, 9-PIN.
4. WINDOW MATERIAL: SAPPHIRE AR COATED
5. SPECIFICATION FOR A THERMOELECTRICALLY COOLED PHOTOVOLTAIC HgCdTe DETECTOR
MATERIAL TYPE: PbHgCdTe 2.8 un
ACTIVE AREA SIZE: 1.0 x 1.0 DIA
PACKAGE SPECIFICATIONS: TO-66
DETECTOR SPECIFICATIONS AT: -65°C (Unless Noted)
MINIMUM D* (PEAK, 10KHz, 1Hz): 6.3 x 10^9 Hz/2x-1
MINIMUM RESPONSIVITY (PEAK, 600GHz): 1.4 A/W
MINIMUM WAVELENGTH CUTOFF: 50% at 2.8 un
PEAK WAVELENGTH (TYPICAL): 2.6 un
MINIMUM DETECTOR SHUNT IMPEDANCE AT 22°C: 750 Ohms
MINIMUM DETECTOR SHUNT IMPEDANCE: 400 Ohms
MAXIMUM REVERSE BIAS VOLTAGE (VR): 0.2 V
MAXIMUM DARK CURRENT (ID) AT VR=.1V: 0.5 µA
WINDOW MATERIAL: Sapphire AR Coated - 6 un

9X .030 DIA PINS ON .425 DIA B.C.
SPACED 30° APART

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS ANGULAR
x x ±.02 ± 1/2
xx ±.01
xxx ±.005

K.F. MARSHALL 4/15/02
K.F. M.

MONTGOMERYVILLE, PA 18936

201 COMMERCIAL DRIVE

TITLE
J19TE3:2.8-66C-R01M

TOLERANCES
DECIMALS ANGULAR
x x ±.02 ± 1/2
xx ±.01
xxx ±.005

201 COMMERCIAL DRIVE

MONTGOMERYVILLE, PA 18936

K.F. MARSHALL 4/15/02

K.F. M.

MONTGOMERYVILLE, PA 18936

201 COMMERCIAL DRIVE

TITLE
J19TE3:2.8-66C-R01M

TOLERANCES
DECIMALS ANGULAR
x x ±.02 ± 1/2
xx ±.01
xxx ±.005

201 COMMERCIAL DRIVE

MONTGOMERYVILLE, PA 18936

K.F. MARSHALL 4/15/02

K.F. M.

MONTGOMERYVILLE, PA 18936

201 COMMERCIAL DRIVE