NOTE(S):

1. SPECIFICATION FOR A THERMALLY COOLED Ge DETECTOR
   - MATERIAL TYPE: Ge-SC
   - ACTIVE AREA SIZE: 2.0 mm DIA
   - PACKAGE SPECIFICATIONS: TO-8
   - DETECTOR SPECIFICATIONS AT: -30 °C
   - MINIMUM PEAK RESPONSE AT 1.3 μm: 0.6 A/W
   - MINIMUM DETECTOR SHUNT IMPEDANCE AT 22 °C: 80 Kohms
   - MINIMUM DETECTOR SHUNT IMPEDANCE: 20.0 Kohms
   - MAXIMUM REVERSE VOLTAGE (Vr): 0.25 V
   - WINDOW MATERIAL: BOROSILICATE GLASS

TEFLON TUBING COLOR CODED

S/N PRINTED ON SIDE OF CAP

6X .018 DIA PIN

.074

2X .222

.372

.550 DIA MAX FLANGE

.620 DIA MAX FLANGE

.437 DIA WINDOW CLEAR APERTURE

.360 DIA MIN. OPENING

GLASS WINDOW

.290 ± .010 TO DET. PLANE

.375 ± .015

2-STAGE T.E. COOLER

BOTTOM VIEW

PIN NO. | CONNECTION | COLOR CODE OF TUBING
--- | --- | ---
1 | T.E. COOLER (+) | RED
2 | T.E. COOLER (-) | BLACK
3 | DETECTOR ANODE (+) | GREEN
4 | THERMISTOR | YELLOW
5 | THERMISTOR | WHITE
6 | DETECTOR CATHODE (-) | WHITE

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES:

DECIMALS | ANGULAR
--- | ---
X | ±.001
XX | ±.002
XXX | ±.005

K.F.M.

K.F.MARSHALL

FRANK CECI

N/A

WILLIAM ROLLS

D.F. GREENE

TELEBINE JUDDON TECHNOLOGIES

201 COMMERCIAL DRIVE

MONTGOMERYVILLE, PA 18062

J16TE2-8A6-RO2M-SC

56586 460055-1P00

REV: 0

SCALE: 3:1

DO NOT SCALE DWG

SHEET 1 of 1