



RADIALL

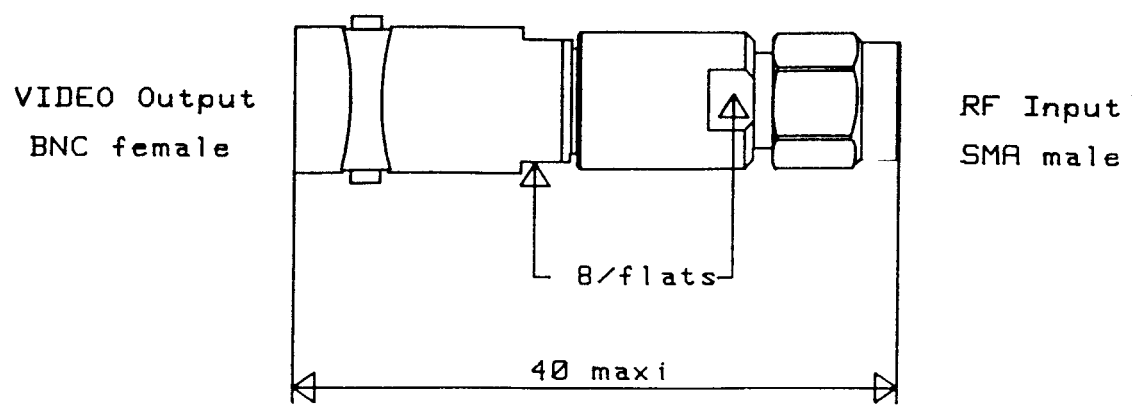
® R 451034500

**TECHNICAL
DATA SHEET**

TITLE 1 - 18 GHz HIGH SENSITIVITY COAXIAL DETECTOR

LTR. A

DRAWING



General tolerances: ± 0.5mm

ELECTRICAL CHARACTERISTICS :

- FREQUENCY RANGE : 1 - 18 GHz
- IMPEDANCE : 50 Ohms
- V.S.W.R (typical) : N.A.
- LOW LEVEL SENSITIVITY : 1500 mV/mW
- (Input Power <-20 dBm)
- FREQUENCY RESPONSE : ±2 dB
- OUTPUT VIDEO IMPEDANCE (typical) : 800 Ohms
- AVERAGE POWER : 200 mW at 25°C
- PEAK POWER : 2 W (10 ns, 1 ms)
- OUTPUT POLARITY : Positive
- FILTERING CAPACITY (typical) : 20 pF
- TANGENTIAL SENSITIVITY (min) : -50 dBm
- DIODE : " Zero Bias" Schottky

MECHANICAL CHARACTERISTICS :

- CONNECTOR RF INPUT : SMA male per MIL C 39012
- CONNECTOR VIDEO OUTPUT : BNC female per MIL C 39012
- WEIGHT (max) : 15 grams

ENVIRONMENTAL CHARACTERISTICS :

- OPERATING TEMPERATURE RANGE (°C) : -25 , +70
- STORAGE TEMPERATURE RANGE (°C) : -40 , +85

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Tentative data subject to change without notice.

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