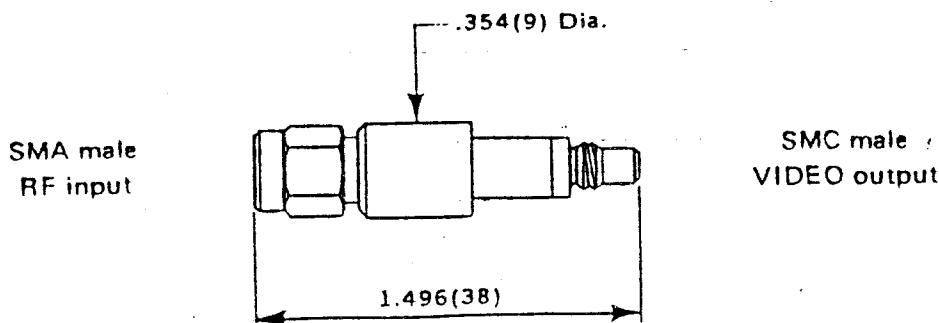




TITLE WIDE BAND COAXIAL DETECTORS

LTR. **B**



ELECTRICAL CHARACTERISTICS

- Impedance : 50 Ω
- Frequency : 0.01 - 18 GHz
- Polarity : Negative
- Connectors : SMA male - SMC male

- Frequency response
 - ± 0.2 dB/Octave up to 8 GHz
 - ± 0.5 dB up to 12.4 GHz
 - ± 1 dB up to 18 GHz
- VSWR : from 0.01 to 8 GHz ≤ 1.35
from 8 to 18 GHz ≤ 1.50
- Sensitivity :
 - Low level > 500 mV/mW
(input power < - 20 dBm)
 - High level > 100 mV
(input power = 0,35 mW)
- Tangential sensitivity : - 44 dB min
- Square law response limit : - 12 dBm
- Video impedance : 1 KΩ typical
- Filtering capacity : 20 pF typical
- Maximum power : 200 mW CW
- «Zero bias» Schottky diode

MECHANICAL CHARACTERISTICS

- Weight : 10g
- Overall tolerances : ± 0.5 mm

ENVIRONMENTAL CHARACTERISTICS

- Operating temperature range :
- 65°C to + 120°C
- Storage temperature range :
- 65°C to + 125°C
- Temperature range over which performances
are guaranteed
- 25°C to + 70°C
- Shock : NFC 20608 - stringency : 50 A (50g)
- Vibration : NFC 20616 - stringency 2000/20

Tentative data subject to change without notice.

PEN	QUALITY Dpt App.				
CAT.					
PAGE	DATE	NAME	B Connector and Polarity modified.	22-09-86	
1/2	28-8-86	B.B	LTR	REVISIONS	