

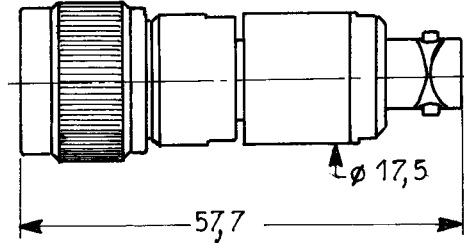


TITLE WIDE BAND COAXIAL DETECTOR

LTR. A

DRAWING :

N
male
RF input



BNC
female
VIDEO output

GENERAL TOLERANCES : ± 0.5 mm

ELECTRICAL CHARACTERISTICS :

FREQUENCY RANGE : 0,01 - 18 GHz
 IMPEDANCE : 50 Ohms
 POLARITY : Negative
 FREQUENCY RESPONSE:
 (0,01 - 8 GHz) : $\pm 0,2$ dB/Octave
 (0,01 - 12,4 GHz) : $\pm 0,5$ dB
 (0,01 - 18 GHz) : ± 1 dB
 VSWR :
 (0,01 - 8 GHz) : $\leq 1,35$
 (8 - 18 GHz) : $\leq 1,50$
 SENSITIVITY:
 LOW LEVEL (Input power ≤ -20 dBm) : > 500 mV/mW
 HIGH LEVEL (Input power = 0,35 mW) : > 100 mV
 TANGENTIAL SENSITIVITY : - 44 dB Mini
 SQUARE LAW RESPONSE LIMIT : - 12 dBm
 VIDEO IMPEDANCE : 1k Ω Typical
 VIDEO CAPACITY : 20 pF Typical
 AVERAGE POWER (CW) : 200 mW Maxi
 SCHOTTKY DIODE : <<Zero bias>>

MECHANICAL CHARACTERISTICS :

CONNECTOR RF INPUT : N male per MIL C 39012
 CONNECTOR VIDEO OUTPUT : BNC female per MIL C 39012
 WEIGHT MAXIMUM (g) : 120

ENVIRONMENTAL CHARACTERISTICS :

OPERATING TEMPERATURE RANGE (°C) : - 65 + 120
 STORAGE TEMPERATURE RANGE (°C) : - 65 + 125
 GUARANTEED PERFORMANCES (°C) : - 25 + 70
 VIBRATIONS (STD 202) : Test method 204 C Condition D
 SHOCKS (STD 202) : Test method 213 Condition A

Tentative data subject to change without notice.

PEN CAT	QUALITY Dpt App.				
PAGE 1/1	DATE 5/11/86	NAME K. LUCIEN	LTR	REVISIONS	DATE APP.