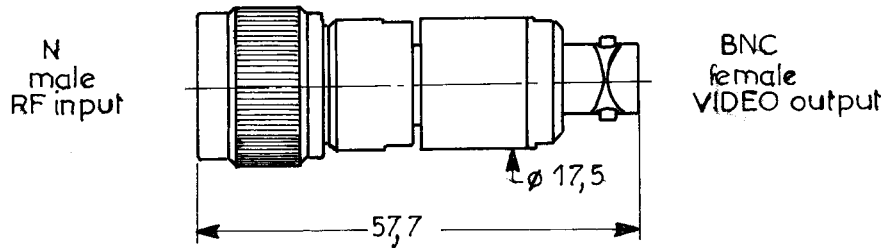




TITLE WIDE BAND COAXIAL DETECTOR

LTR. A

DRAWING :



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	: $1k\Omega$ Typical
VIDEO CAPACITY	: 20 pF Typical
AVERAGE POWER (CW)	: 200 mW Maxi
SCHOTTKY DIODE	: $\ll$ Zero bias $\gg$

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

PEN

QUALITY Dpt App.

CAT

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DATE

5/11/86

NAME

K. LUCIEN

LTR

REVISIONS

DATE

APP.

Product Number	Product Name	Product Specifications	BuyOnLine Datasheet	Assembly/Wiring instructions	Family Search
R451576000	DETECTOR: N M-BNC F 0,01-18GHZ NEG	<u>Description</u>			<u>Microwave Components</u>
R451576500	DETECTOR: N M-BNC F 0,01-18GHZ POS	<u>Description</u>			<u>Microwave Components</u>