



RADIALl
MICRONDE département

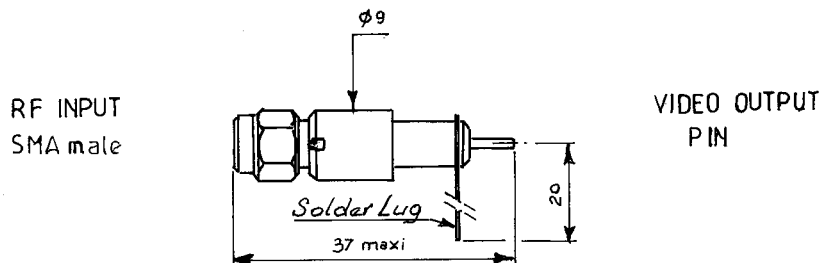
R 451 543

**TECHNICAL
DATA SHEET**

TITLE WIDE BAND COAXIAL DETECTOR

LTR. A

DRAWING :



GENERAL TOLERANCES: ± 0.5 mm

ELECTRICAL CHARACTERISTICS:

IMPEDANCE : 50 Ohms
FREQUENCY RANGE : 0,01 - 18 GHz
POLARITY : Negative
FREQUENCY RESPONSE :
 $\pm 0,2$ dB / Octave up to 8 GHz
 $\pm 0,5$ dB / Octave up to 12,4 GHz
 ± 1 dB / Octave up to 18 GHz
V.S.W.R. :
 From 0,01 to 8 GHz : $\leq 1,35$
 From 8 to 18 GHz : $\leq 1,5$
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 k Ω typical
FILTERING CAPACITY : 20 pF typical
MAXIMUM POWER : 200 mW CW
DIODE : SCHOTTKY << Zero Bias >>

MECHANICAL CHARACTERISTICS:

CONNECTOR RF INPUT : SMA male per MIL-C-39012
 VIDEO OUTPUT : Pin and solder lug
WEIGHT : 10 g

ENVIRONMENTAL CHARACTERISTICS:

OPERATING TEMPERATURE RANGE : - 65°C to + 120°C
STORAGE TEMPERATURE RANGE (°C) : - 65°C to + 125°C
NOMINAL RANGE FOR USE : - 25°C to + 70°C
VIBRATIONS (STD 202) : Method 204 C Condition D
SHOCKS (STD 202) : Method 213 Condition I

PEN

QUALITY Dpt App.

CAT

PAGE

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DATE

13/02/87

NAME

K. LUCIEN

LTR

REVISIONS

DATE

APP.

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Product Number	Product Name	Product Specifications	BuyOnLine Datasheet	Assembly/Wiring instructions	Family Search
R451543000	DETECTOR: SMA M- PICOT 0,01- 18GHZ NEG	<u>Description</u>			<u>Microwave Components</u>
R451543500	DETECTOR: SMA M- PICOT 0,01- 18GHZ POS	<u>Description</u>			<u>Microwave Components</u>