



**RADIALL**  
MICRONDE department

**R451533000**

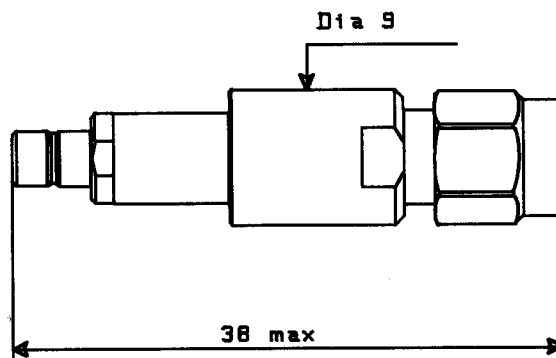
**TECHNICAL  
DATA SHEET**

**TITLE** WIDE BAND COAXIAL DETECTOR

**LTR.** A

DRAWING:

SMB male  
VIDEO OUTPUT



SMA male  
RF Input

General tolerances :  $\pm 0.5$  mm

ELECTRICAL CHARACTERISTICS :

IMPEDANCE	: 50 Ohms
FREQUENCY RANGE	: 0.01 - 18 GHz
V.S.W.R. from 0.01 to 8 GHz	: $\leq 1.35$
from 0.01 to 18 GHz	: $\leq 1.50$
FREQUENCY RESPONSE ( 0.01- 8 GHz )	: $\pm 0.2$ dB/Octave
( 0.01-12.4 GHz )	: $\pm 0.4$ dB
( 0.01-18 GHz )	: $\pm 1$ dB
SENSITIVITY mini ( PE= - 0.35 mW )	: > 100 mV
POLARITE	: Négative
TANGENTIAL SENSITIVITY	: - 44 dB min
SQUARE LAW RESPONSE LIMIT	: - 12 dBm
VIDEO IMPEDANCE	: 2 k $\Omega$ typical
FILTERING CAPACITY	: 20 pF typical
MAXIMUM POWER	: 200 mW CW
DIODE	: SCHOTTKY << zero Bias >>

MECHANICAL CHARACTERISTICS :

INPUT CONNECTOR	: SMA male per MIL C 39012
VIDEO OUTPUT CONNECTOR	: SMB male per MIL C 39012
MAXIMUM WEIGHT	: 11 grams

ENVIRONMENTAL CHARACTERISTICS :

OPERATING TEMPERATURE RANGE	: 0°C + 50°C
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**PEN**

**CAT**

**PAGE**  
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**QUALITY Dpt App.**

**MO**

08 NOV. 1989

**A**

**DATE**  
03/11/89

**NAME**  
K. LUCIEN

**LTR**

**REVISIONS**

**DATE**

**APP.**

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