

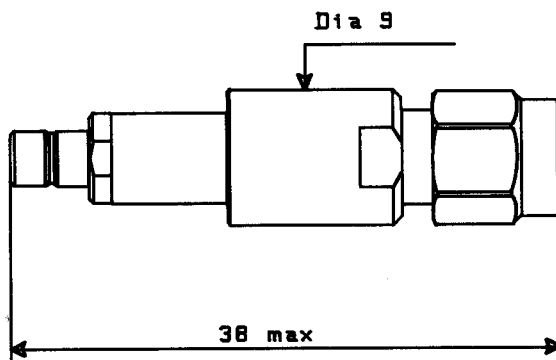


TITLE **WIDE BAND COAXIAL DETECTOR**

LTR. **A**

DRAWING:

SMB male
VIDEO OUTPUT



SMA male
RF Input

General tolerances : ± 0.5 mm

ELECTRICAL CHARACTERISTICS :

IMPEDANCE : 50 Ohms
 FREQUENCY RANGE : 0.01 - 18 GHz
 V.S.W.R. from 0.01 to 8 GHz : ≤ 1.35
 from 0.01 to 18 GHz : ≤ 1.50
 FREQUENCY RESPONSE (0.01- 8 GHz) : ± 0.2 dB/Octave
 (0.01-12.4 GHz) : ± 0.4 dB.
 (0.01-18 GHz) : ± 1 dB
 SENSITIVITY mini (PE= - 0.35 mW) : > 100 mV
 POLARITE : Negative
 TANGENTIAL SENSITIVITY : - 44 dB min
 SQUARE LAW RESPONSE LIMIT : - 12 dBm
 VIDEO IMPEDANCE : 2 k Ω 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 OUPUT CONNECTOR : SMB male per MIL C 39012
 MAXIMUM WEIGHT : 11 grams

ENVIRONMENTAL CHARACTERISTICS :

OPERATING TEMPERATURE RANGE : 0°C + 50°C

Tentative data subject to change without notice.

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