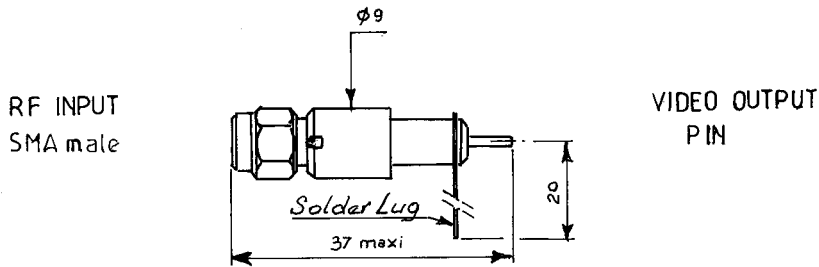




**TITLE** WIDE BAND COAXIAL DETECTOR

**LTR.** A

DRAWING :



GENERAL TOLERANCES: ± 0.5 mm

ELECTRICAL CHARACTERISTICS:

IMPEDANCE : 50 Ohms  
 FREQUENCY RANGE : 0,01 - 18 GHz  
 POLARITY : Negative  
 FREQUENCY RESPONSE :  
     ± 0,2 dB / Octave up to 8 GHz  
     ± 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 : ≤ 1,35  
     From 8 to 18 GHz : ≤ 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 kΩ 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

Tentative data subject to change without notice.

<b>PEN</b>	<b>QUALITY Dpt App.</b>				
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<b>PAGE</b>	<b>DATE</b>	<b>NAME</b>	<b>LTR</b>	<b>REVISIONS</b>	<b>DATE APP.</b>
1 A	13/02/87	K. LUCIEN			

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