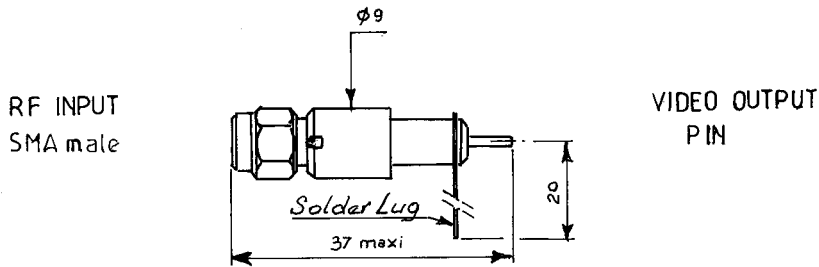




TITLE WIDE BAND COAXIAL DETECTOR

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.

PEN	QUALITY Dpt App.				
CAT					
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