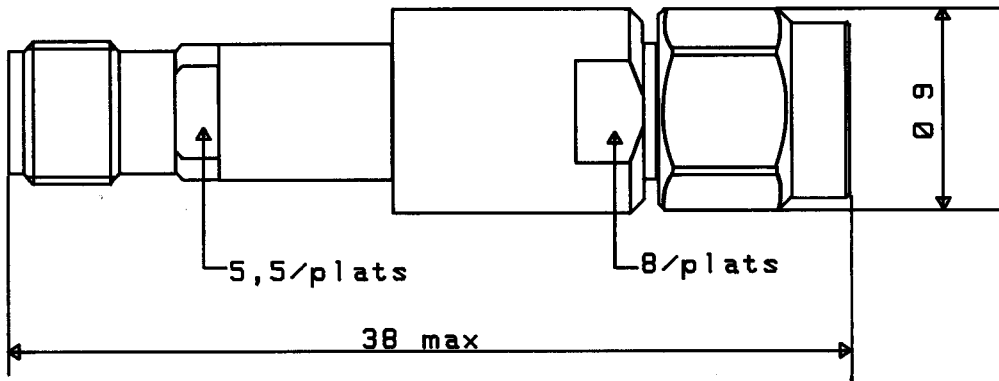




TITLE HIGH SENSITIVITY COAXIAL DETECTOR

LTR. A

DRAWING :



GENERAL TOLERANCES: ± 0.5 mm

ELECTRICAL CHARACTERISTICS:

FREQUENCY RANGE	: 1 - 18 GHz
V.S.W.R. (typical)	: 4
OUTPUT VOLTAGE ($P_{RF} < -20$ dBm)	: 1,5 mV / μ W
FREQUENCY RESPONSE (maximum)	: ± 2 dB
OUTPUT VIDEO IMPEDANCE (typical)	: 800 Ohms
BIAS CURRENT	: NO
AVERAGE POWER (CW)	: + 20 dBm
PEAK POWER	: 2 W (10 ns at 1000Hz)
OUTPUT POLARITY	: POSITIVE
VIDEO CAPACITY (typical)	: 20 pF
SQUARE LAW RESPONSE LIMIT	: - 16 dBm
TANGENTIAL SENSITIVITY (typical)	: - 50 dBm
DIODE	: SCHOTTKY << Zero Bias >>

MECHANICAL CHARACTERISTICS:

CONNECTORS RF INPUT	: SMA male per MIL-C-39012
CONNECTORS VIDEO OUTPUT	: SMA female per MIL-C-39012
WEIGHT MAXIMUM (g)	: 9

ENVIRONMENTAL CHARACTERISTICS:

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

PEN	QUALITY Dpt App.				
CAT					
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Tentative data subject to change without notice.

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