



RADIALL

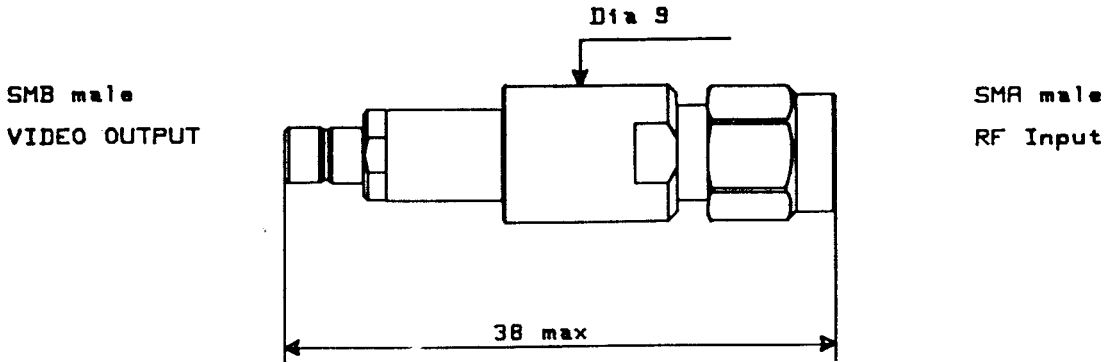
® R 451030000

**TECHNICAL
DATA SHEET**

TITLE 1 - 18 GHZ HIGH SENSITIVITY COAXIAL DETECTOR

LTR. A

DRAWING



General tolerances: ± 0.5mm

ELECTRICAL CHARACTERISTICS :

FREQUENCY RANGE	: 1 - 18 GHz
IMPEDANCE	: 50 Ohms
V.S.W.R (typical)	: 4
LOW LEVEL SENSITIVITY (Input Power <-20 dBm)	: 1500 mV/mW
FREQUENCY RESPONSE	: ±2 dB
AVERAGE POWER	: 200 mW at 25°C
PEAK POWER	: 2 W (10 ns, 1 ms)
OUTPUT POLARITY	: Negative
FILTERING CAPACITY (typical)	: 20 pF
TANGENTIAL SENSITIVITY (min)	: -50 dBm
DIODE	: " Zero Bias" Schottky

MECHANICAL CHARACTERISTICS :

CONNECTOR RF INPUT	: SMA male per MIL C 39012
CONNECTOR VIDEO OUTPUT	: SMB male per MIL C 39012
WEIGHT (max)	: 10 grams

ENVIRONMENTAL CHARACTERISTICS :

OPERATING TEMPERATURE RANGE (°C)	: -25 , +70
STORAGE TEMPERATURE RANGE (°C)	: -40 , +85

Tentative data subject to change without notice.

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QUALITY Dpt App.

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