



RADIALL

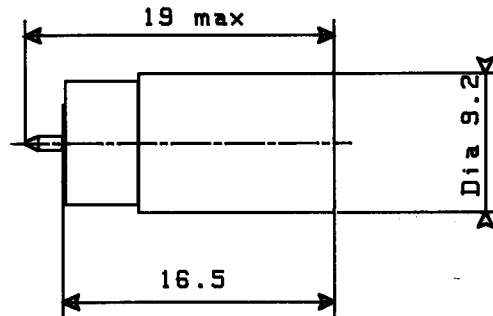
R451953000

TECHNICAL  
DATA SHEET

TITLE REMOVABLE CARTRIDGE

LTR. A

DRAWING:



Mounted in a detector case type R 451576500.

General tolerances :  $\pm 0.5$  mm

ELECTRICAL CHARACTERISTICS:

FREQUENCY RANGE : .01 - 18 GHz  
IMPEDANCE : 50 Ohms  
POLARITY : Positive  
FREQUENCY RESPONSE:  
( 0.01 - 8 GHz ) :  $\pm 0.2$  dB/Octave  
( 0.01 - 12.4 GHz ) :  $\pm 0.5$  dB  
( 0.01 - 18 GHz ) :  $\pm 1$  dB  
V.S.W.R. :  
( 0.01 - 8 GHz ) :  $\leq 1.35$   
( 8 - 18 GHz ) :  $\leq 1.50$   
SENSITIVITY:  
LOW LEVEL (Input power  $\leq -20$ dbm):  $> 500$  mV/mW  
HIGH LEVEL (Input power  $\approx 0.35$ mW):  $> 100$  mV  
TANGENTIAL SENSITIVITY : - 44 dB mini  
SQUARE LAW RESPONSE LIMIT : - 12 dBm  
VIDEO IMPEDANCE : 1 k $\Omega$  Typical  
VIDEO CAPACITY : 20 pF Typical  
AVERAGE POWER (CW) : 200 mW Maxi  
SCHOTTKY DIODE : <<Zero bias>>

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CAT

QUALITY Dpt App.

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