



RADIAL[®]
Microwave components

TECHNICAL DATA SHEET

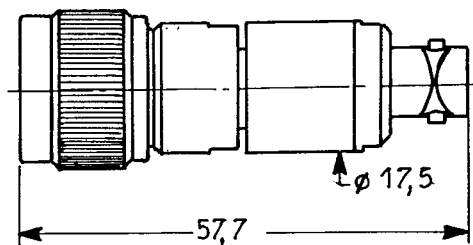
R451574000

WIDE BAND COAXIAL DETECTOR

Issue
31.aug.94

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DRAWING



General tolerances: +/- 0.5 mm

R F CHARACTERISTICS

FREQUENCY RANGE	: 0.01-12.4GHz
IMPEDANCE	: 50 Ohms
V.S.W.R 0.01- 8 GHz	: <= 1.35
0.01-12.4GHz	: <= 1.50
FREQUENCY RESPONSE 0.01- 8 GHz	: ± 0.2 dB/octave
0.01-12.4GHz	: ± 0.5 dB
SENSITIVITY:	
LOW LEVEL (Input power<-20 dBm)	: >=500mV/mW
HIGH LEVEL (Input power=0.35 mW)	: >=100mV
POLARITY	: negative
TANGENTIAL SENSITIVITY	: >= -44 dBm
SQUARE LOW RESPONSE LIMIT	: -12 dBm
VIDEO IMPEDANCE	: 1 KOhm typical
FILTERING CAPACITY	: 20 pF typical
AVERAGE POWER	: 200 mW
DIODE	: schottky "zero bias"
DETECTOR MODULE P/N	: R451950000

MECHANICAL CHARACTERISTICS

INPUT CONNECTOR	: N male	per MIL-C 39012
VIDEO OUTPUT CONNECTOR	: BNC female	per MIL-C 39012
WEIGHT	: < 120 g	

ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE (°C)	: -25 , +70
STORAGE TEMPERATURE RANGE (°C)	: -65 , +125

CREATION

N° :
PEN/EP:CAT
Name:PG
Date:31.aug.94
APP.:VE

ISSUE

REVISIONS

NAME

APPR.

RADIAL[®]

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