



RADIAL[®]
Microwave components

TECHNICAL DATA SHEET

R451544500

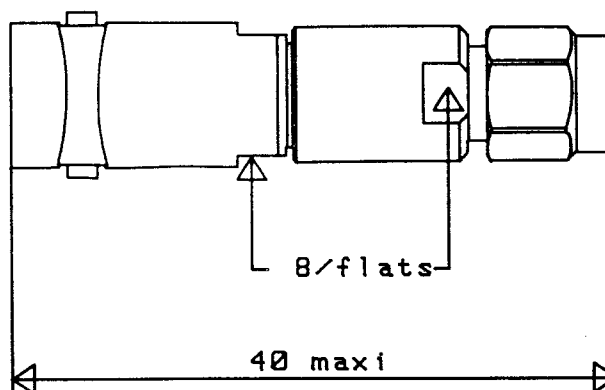
WIDE BAND COAXIAL DETECTOR

issue
18.jul.95

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DRAWING

VIDEO Output
BNC female



RF Input
SMA male

General tolerances: +/- 0.5 mm

R F CHARACTERISTICS

FREQUENCY RANGE	:	0.01- 18 GHz	
IMPEDANCE	:	50 Ohms	
V.S.W.R	0.01- 8 GHz	:	<= 1.35
	8 - 18 GHz	:	<= 1.50
FREQUENCY RESPONSE	0.01 - 12.4 GHz	:	± 0.5 dB
	0.01 - 18 GHz	:	± 1 dB
SENSITIVITY:			
LOW LEVEL (Input power<-20 dBm)	:	>=500mV/mW	
HIGH LEVEL (Input power=0.35 mW)	:	>=100mV	
POLARITY	:	positive	
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"	

MECHANICAL CHARACTERISTICS

INPUT CONNECTOR	:	SMA male	per MIL-C 39012
VIDEO OUTPUT CONNECTOR	:	BNC female	per MIL-C 39012
WEIGHT	:	< 15 g	

ENVIRONMENTAL CHARACTERISTICS

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

CREATION

N° :
PEN/EP:CAT
Name:MG
Date:18.jul.95
APP.:AF

ISSUE

REVISIONS

NAME

APPR.

RADIAL[®]

101. rue P. Hoffmann -Z.I Ouest-
93116 ROSNY/BOIS Cedex-FRANCE
Phone:33(1)49353535
Fax :33(1)48546363
Tvx RADIA 235220F