



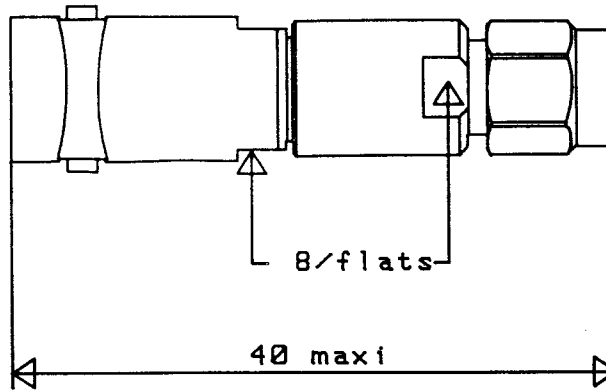
**WIDE BAND COAXIAL DETECTOR**

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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
<b>SENSITIVITY:</b>		
LOW LEVEL (Input power<-20 dBm)	:	>=500 mV/mW
HIGH LEVEL (Input power=0.35 mW)	:	>=100 mV
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

This information is given as an indication. In the continual goal to improve our products, we reserve the right to make any modifications judged necessary

CREATION					
N° :					
PEN/EP:CAT					
Name:MG					
Date:18. jul. 95					
APP.:AF					
ISSUE		REVISIONS		NAME	APPR.

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