

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



**RADIAL®**  
Microwave components

**TECHNICAL DATA SHEET**

**R433724000**

50 W

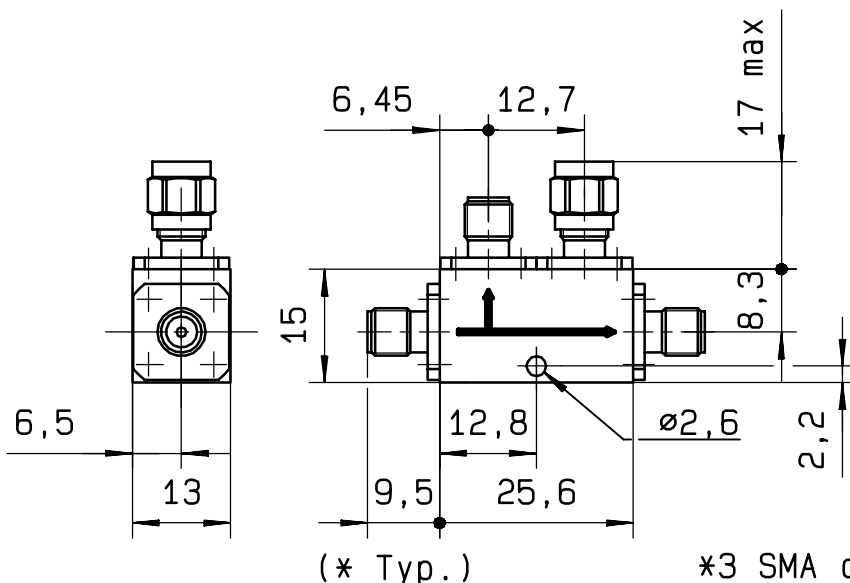
7 - 12.4 GHz

20dB

DIRECTIONAL COUPLER

issue  
20.sep.94

Page  
1 / 1



**R F CHARACTERISTICS**

General tolerances: +/- 0.5 mm

FREQUENCY RANGE	:	7 - 12.4 GHz
IMPEDANCE	:	50 Ohms
COUPLING (*)	:	20 dB ± 0.8 dB
FREQUENCY SENSITIVITY	:	± 0.3 dB
DIRECTIVITY	:	>= 16 dB
INSERTION LOSS	:	<= 0.4 dB
V.S.W.R	- Main line	: <= 1.30
	- Coupled line	: <= 1.30
AVERAGE POWER at 25°C	:	50 W
PEAK POWER at 25°C (1µs,1%.)	:	3 kW

**MECHANICAL CHARACTERISTICS**

CONNECTORS	:	SMA female per MIL-C 39012
COAXIAL TERMINATION	:	50 Ohms, 1 W
WEIGHT	:	< 30 g

**ENVIRONMENTAL CHARACTERISTICS**

OPERATING TEMPERATURE RANGE	(°C)	:	-25 , +85
STORAGE TEMPERATURE RANGE	(°C)	:	-40 , +100

\* : Frequency sensitivity is included in coupling

<b>CREATION</b> N° : PEN/EP:CAT Name:PG Date:20.sep.94 APP.:VE					
	<b>ISSUE</b>	<b>REVISIONS</b>	<b>NAME</b>	<b>APPR.</b>	

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