



**RADIALL**  
MICRONDE department

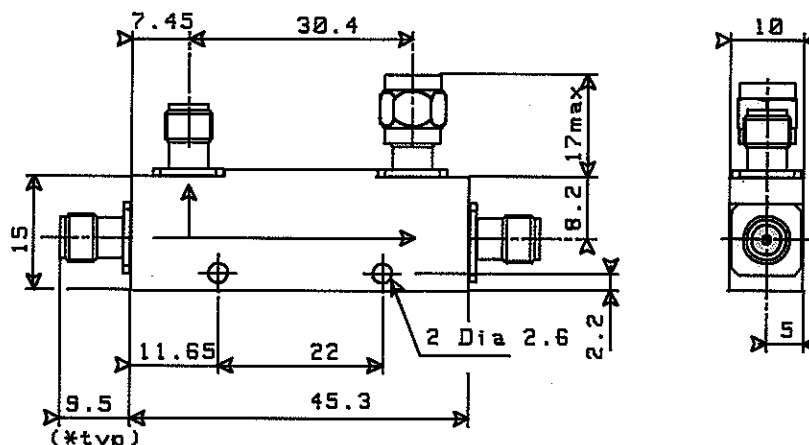
**R 433 514 700**

**TECHNICAL  
DATA SHEET**

**TITLE** 20 dB 2 - 8 GHz DIRECTIONAL COUPLER

**LTR.** C

DRAWING:



3 SMA/f connectors

General tolerance:  $\pm 0.5$  mm

ELECTRICAL CHARACTERISTICS:

FREQUENCY RANGE	: 2 - 8 GHz
IMPEDANCE	: 50 Ohms
COUPLING (*)	: 20 dB $\pm$ 1 dB
FREQUENCY SENSITIVITY	: $\pm 0.4$ dB
DIRECTIVITY	: 20 dB mini
INSERTION LOSS	: 0.4 dB max.
V.S.W.R.	: 1.25 max.
AVERAGE POWER	: 50 W CW at 25°C
PEAK POWER	: 3 kW (1 $\mu$ S, 1%) at 25°C

MECHANICAL CHARACTERISTICS:

CONNECTORS	: SMA female per MIL C 39012
TERMINATION (on isolated port)	: 50 $\Omega$ 1 W
MAXIMUM WEIGHT	: 40 g

ENVIRONMENTAL CHARACTERISTICS:

OPERATING TEMPERATURE RANGE	: - 40°C + 100°C
STORAGE TEMPERATURE RANGE	: - 40°C + 100°C

(\*) Frequency sensitivity is included in coupling.

Tentative data subject to change without notice.

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<b>PAGE</b>	<b>DATE</b>	<b>NAME</b>	<b>LTR</b>	<b>REVISIONS</b>	<b>DATE APP.</b>
1 1	16/01/90	K. LUCIEN			
			C	Nominal coupling -> coupling	12/10/90 K.I.
			B	New format	06/07/90 K.I.

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