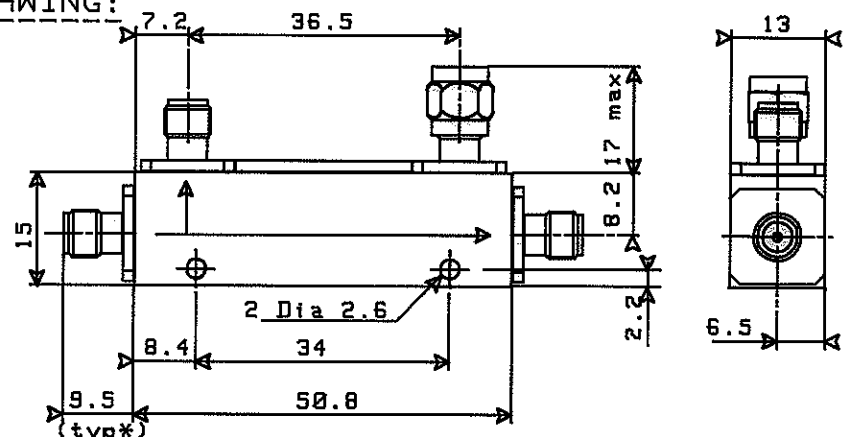




**TITLE** 20 dB 1.7 - 4.2 GHz DIRECTIONAL COUPLER

**LTR.** C

DRAWING:



3 SMA/f connectors

General tolerance:  $\pm 0.5$  mm

ELECTRICAL CHARACTERISTICS:

FREQUENCY RANGE	: 1.7 - 4.2 GHz
IMPEDANCE	: 50 Ohms
COUPLING (*)	: 20 dB $\pm$ 0.8 dB
FREQUENCY SENSITIVITY	: $\pm$ 0.3 dB
DIRECTIVITY	: 20 dB mini
INSERTION LOSS	: 0.4 dB max.
V.S.W.R.	: 1.20 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 <i>50g</i>

ENVIRONMENTAL CHARACTERISTICS:

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

(\*) Frequency sensitivity is included in coupling.

3294 - 8902 Tentative data subject to change without notice.

<b>PEN</b> CART	<b>QUALITY</b> <i>Berthel</i>	<b>Doc App.</b> <b>B</b>			
<b>PAGE</b> 1 / 1	<b>DATE</b> 20/11/86	<b>NAME</b> K. LUCIEN	<b>LTR</b>	<b>REVISIONS</b>	<b>DATE APP.</b>
				C Nominal coupling -> coupling	12/10/90 K.I
				B New issue	06/07/90 K.I