

FLANGED RIGID LINES

FEATURES

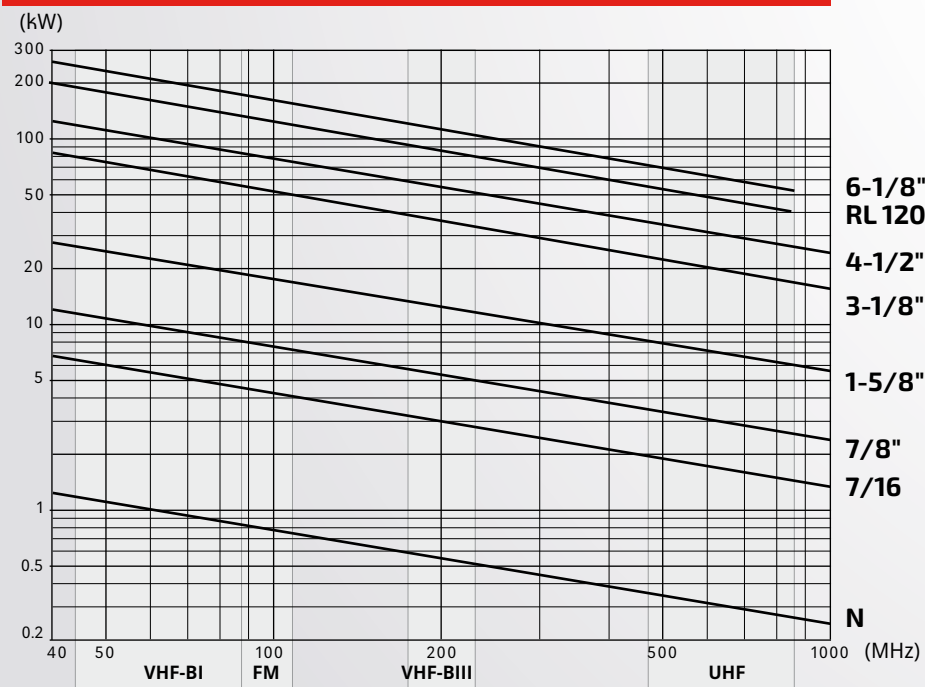
- flanged rigid lines
- low insertion losses
- low V.S.W.R
- outdoor applications



GENERAL FEATURES

FREQUENCY RANGE	0.1 ÷ 860 MHz
IMPEDANCE	50 ohm
RETURN LOSS	≥ 32 dB
MAX MEAN POWER	See table
LENGHT	0.5 ÷ 2 m (1.64 ÷ 6.56 ft)
WEIGHT	See table
OPERATING TEMPERATURE RANGE	-40 to +70° C (-40 to +158° F)
PRESSURIZATION	Typical operating pressure 300 hPa (300 mbar)
MATERIALS	- Outer conductor - Inner conductor - Insulating material High conductivity copper, polished brass High conductivity copper Teflon
TERMINATED TYPE	EIA Flanged

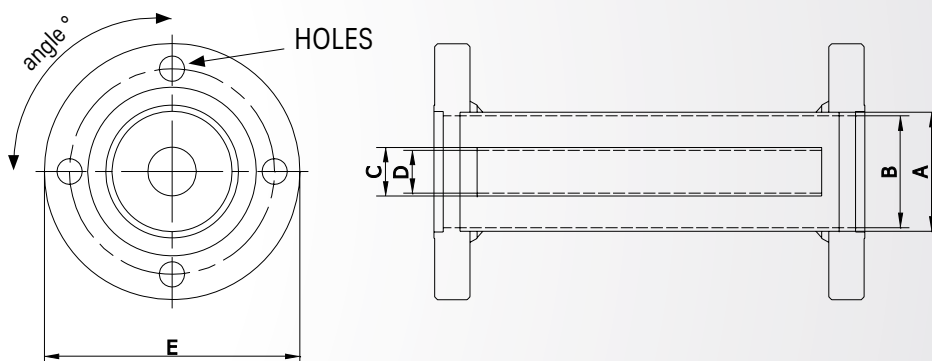
MAX MEAN POWER



STANDARD CONDITIONS:

- V.S.W.R. = 1.0
- Ambient temperature 40°C (104°F)
- Atmospheric Pressure, dry air
- Inner Conductor Temperature 120°C (248°F)

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EIA FLANGED RIGID LINES

TYPE	DIMENSIONS mm (in)		E	WEIGHT Kg/m (lb/ft)	Qty	HOLES		Bolts	RF OPERATING VOLTAGE (kV)	DC VOLTAGE (kV)
	Outer conductor (A/B)	Inner conductor (C/D)				Angle (°)	DIA mm (in)			
7/8"	25 / 20 (0.98 / 0.79)	8.7 / 7.4 (0.34 / 0.29)	58 (2.3)	2 (1.3)	3	120	6.5 (0.25)	M6	2.7	4
1-5/8"	41.27 / 38.78 (1.62 / 1.53)	16.87 / 14.93 (0.66 / 0.59)	89 (3.5)	2.7 (1.8)	4	90	8.8 (0.34)	M8	5.2	7
3-1/8"	79.4 / 76.88 (3.13 / 3.03)	33.4 / 31.26 (1.31 / 1.23)	128 (5)	5.2 (3.5)	6	60	10.8 (0.42)	M10	9.7	14
4-1/2"	106 / 103 (4.17 / 4.06)	44.8 / 42.8 (1.76 / 1.69)	159 (6.3)	7.9 (5.3)	8	45	10.8 (0.42)	M10	12.5	19
6-1/8"	155.6 / 151.9 (6.13 / 5.98)	66 / 64 (2.6 / 2.52)	206 (8.1)	14.5 (9.7)	12	30	10.8 (0.42)	M10	17	25