

# FLANGED COAXIAL ELBOWS

## FEATURES

- flanged coaxial elbows
- low insertion losses
- low V.S.W.R
- outdoor applications

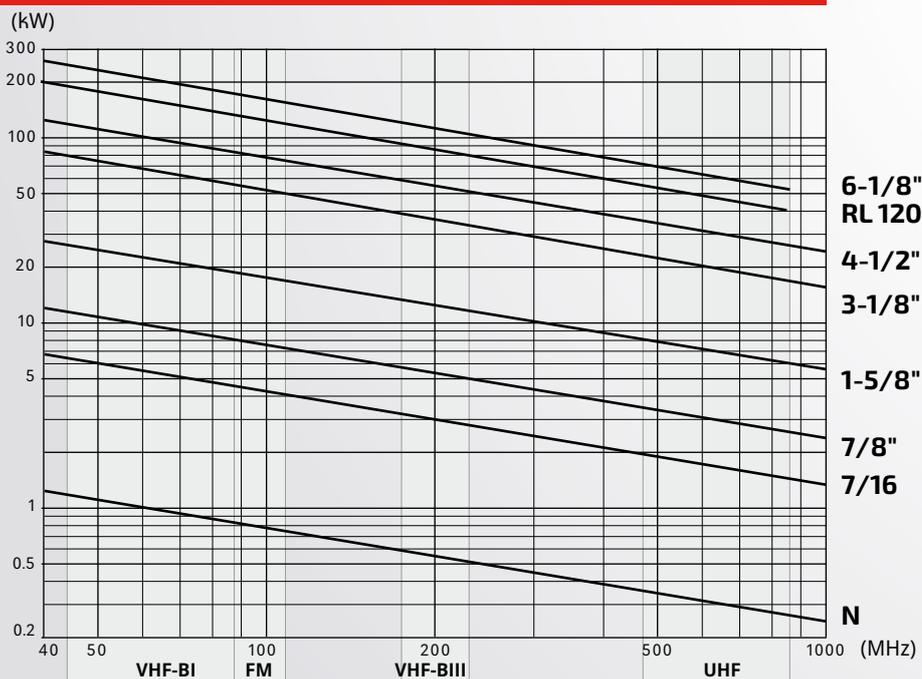


## GENERAL FEATURES

FREQUENCY RANGE	0.1 ÷ 860 MHz *	
IMPEDANCE	50 ohm	
RETURN LOSS	≥ 32 dB	
MAX MEAN POWER	See table below	
OPERATING TEMPERATURE RANGE	-40 to +70° C (-40 to +158° F)	
CONNECTORS	See table below	
WEIGHT	See table below	
PRESSURIZATION	Typical operating pressure 300 hPa (300 mbar)	
MATERIALS	- External body	Polished brass
	- Inner conductor	Silver plated brass, silver plated aluminium
	- Insulator	Teflon
EXTERNAL FINISHING	Painted RAL 7001, Nickel plating, Passivation SURTEC 650	

\* up to 790 MHz for 6-1/8"

## 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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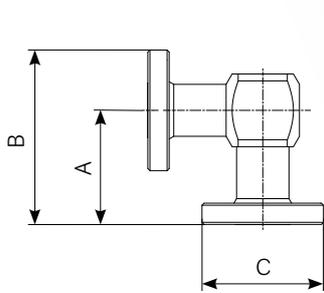


figure "1"

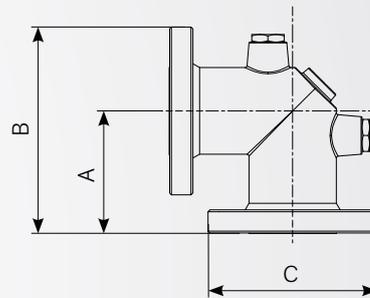


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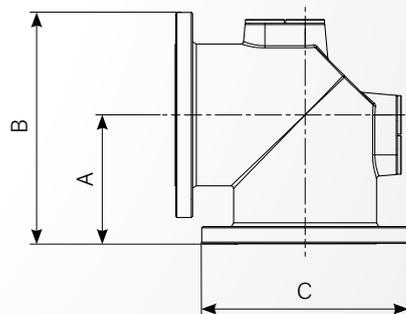


figure "3"

## EIA FLANGED COAXIAL ELBOWS

TYPE	CONNECTORS	FIGURE	DIMENSIONS mm (in)			WEIGHT Kg (lb)	RF OPERATING VOLTAGE (kV)	DC VOLTAGE (kV)
			A	B	C			
GMT-01	7/8" EIA	1	55 (2.17)	84 (3.31)	58 (2.3)	0.62 (1.4)	2.7	4
GMT-04	1-5/8" EIA	2	65 (2.56)	110 (4.33)	89 (3.5)	1.5 (3.3)	5.2	7
GMT-05	3-1/8" EIA	3	85 (3.35)	149 (5.87)	128 (5)	3.1 (6.8)	9.7	14
GMT-07	6-1/8" EIA	3	130 (5.12)	233 (9.17)	206 (8.1)	10 (22)	17	25
GMT-10	4-1/2" EIA	3	100 (3.94)	179.5 (7.07)	159 (6.3)	5 (11)	12.5	19

Note: F = female / M = male