

DIRECTIONAL COUPLERS

FEATURES

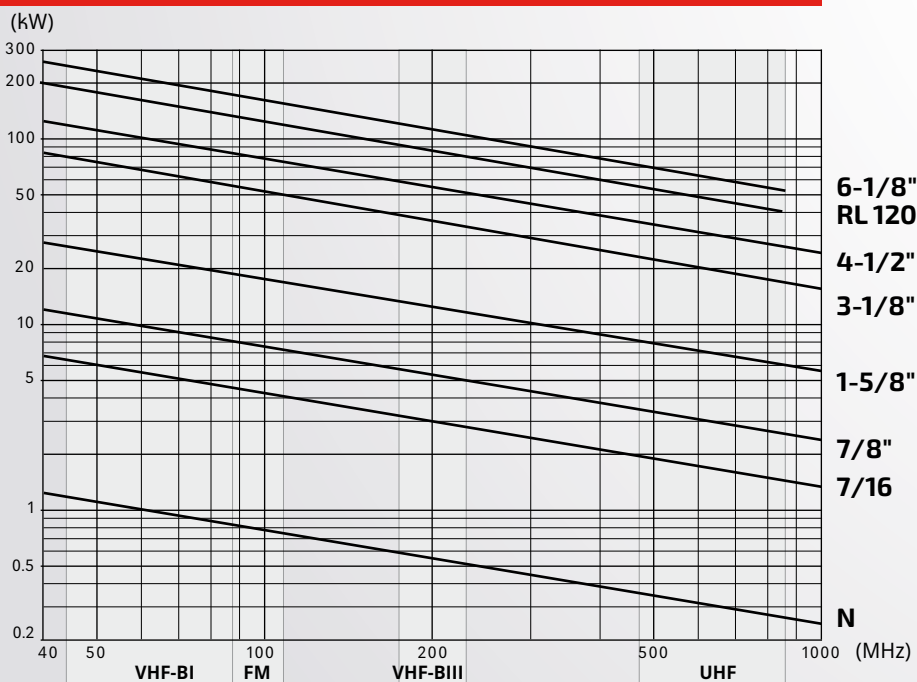
- flanged type
- low insertion losses
- low V.S.W.R
- high directivity value
- outdoor applications

GENERAL FEATURES

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



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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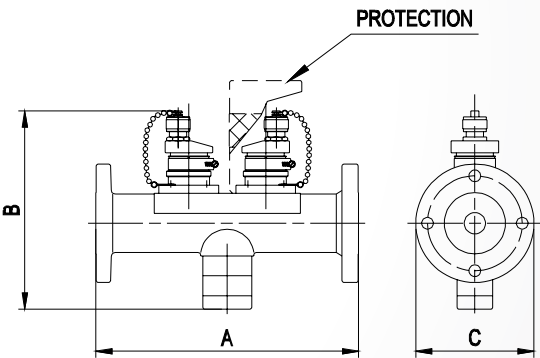


figure "1"

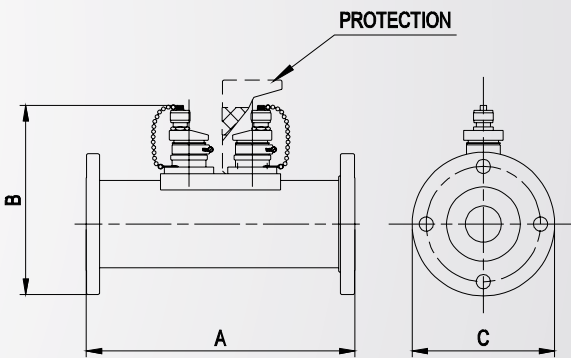


figure "2"

STANDARD TYPES

TYPE	CONNECTORS	Nr PROBES	FIGURE	DIMENSIONS mm (in)			WEIGHT Kg (lb)	WATER PROOF	PROTECTION	COUPLING FACTOR (dB)		
				A	B	C				FM	VHF	UHF
										min/max	min/max	min/max
ADR-02/P	7/8" EIA	2	1	200 (7.9)	172 (6.8)	58 (2.3)	3 (6.6)	YES	YES	-56/-51	-49/-45	-38/-35
ADR-03/P	1-5/8" EIA	2	1	198 (7.8)	172 (6.8)	89 (3.5)	3.3 (7.3)	YES	YES	-56/-51	-49/-45	-38/-35
ADR-04/P	3-1/8" EIA	2	2	246 (9.7)	195 (7.7)	128 (5)	4.7 (10)	YES	YES	-61/-56	-55/-51	-45/-42
ADR-06/P	6-1/8" EIA	2	2	281 (11.1)	276 (10.9)	206 (8.1)	8.4 (19)	YES	YES	-67/-62	-61/-57	-49/-46
ADR-08/P	4-1/2" EIA	2	2	246 (9.7)	229 (9)	159 (6.3)	6 (13)	YES	YES	-64/-59	-58/-54	-43/-46