

Directional Couplers

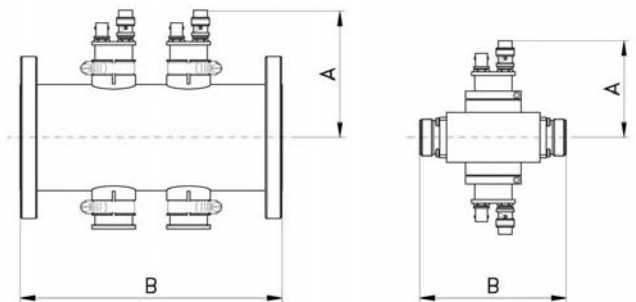
Directional Couplers are equipments designed to perform important Broadcasting measures, like Return loss, RF power, frequency monitoring and filters' performance; furthermore signals coupled from transmission line can be used for alarm circuits.

All the above mentioned measurements are performed, when necessary or continuously monitored, maintaining the system on duty.

Our Directional Couplers are "in line", and are equipped with one probe, or more probes according to the measurements performed by the customer. With one probe it is possible to measure forward and reverse power only changing the external load's position.

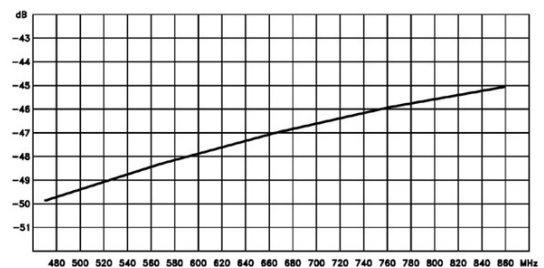
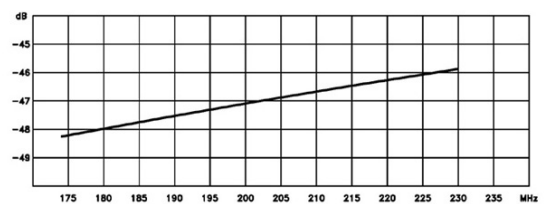
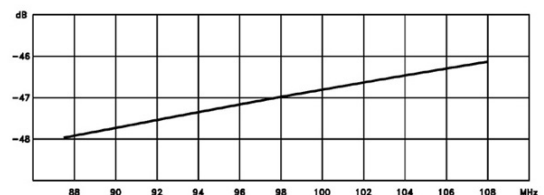
The probe can be adjusted in angle and in height, to obtain the desired value of coupling (between $-70 \div -35\text{dB}$) with high directivity ($>30\text{dB}$).

How to order: in case of order confirmation it is necessary to specify the working Band (FM, VHF or UHF), because mechanical configurations are different. Furthermore if you do not specify the coupling value we will put it on our standard.



P/N	Input Connector	Dimensions [mm]		Probes Number (1)
		(A) max.	(B) max.	
1319-01	N female	105	110	1
1319-02	N female	110	181	2
1319-03	N female	110	232	3
1356-01	7/16 female	105	102	1
1356-02	7/16 female	110	175	2
1356-03	7/16 female	110	225	3
1261-01	EIA 7/8"	105	152	1
1261-02	EIA 7/8"	110	223	2
1261-03	EIA 7/8"	110	274	3
1110-01	EIA 1 5/8"	110	130	1
1110-02	EIA 1 5/8"	110	191	2
1110-03	EIA 1 5/8"	110	243	3
1258-01	EIA 3 1/8"	125	130	1
1258-02	EIA 3 1/8"	125	210	2
1258-03	EIA 3 1/8"	125	210	3
1316-01	EIA 4 1/2"	140	145	1
1316-02	EIA 4 1/2"	140	200	2
1316-03	EIA 4 1/2"	140	200	3
1659-01	EIA 6 1/8"	170	230	1
1659-02	EIA 6 1/8"	170	310	2
1659-03	EIA 6 1/8"	170	390	3

(1) more probes may be supplied on request



All data contained in this technical sheet are not binding and can be changed without notice

Data updating 11/06/2012

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