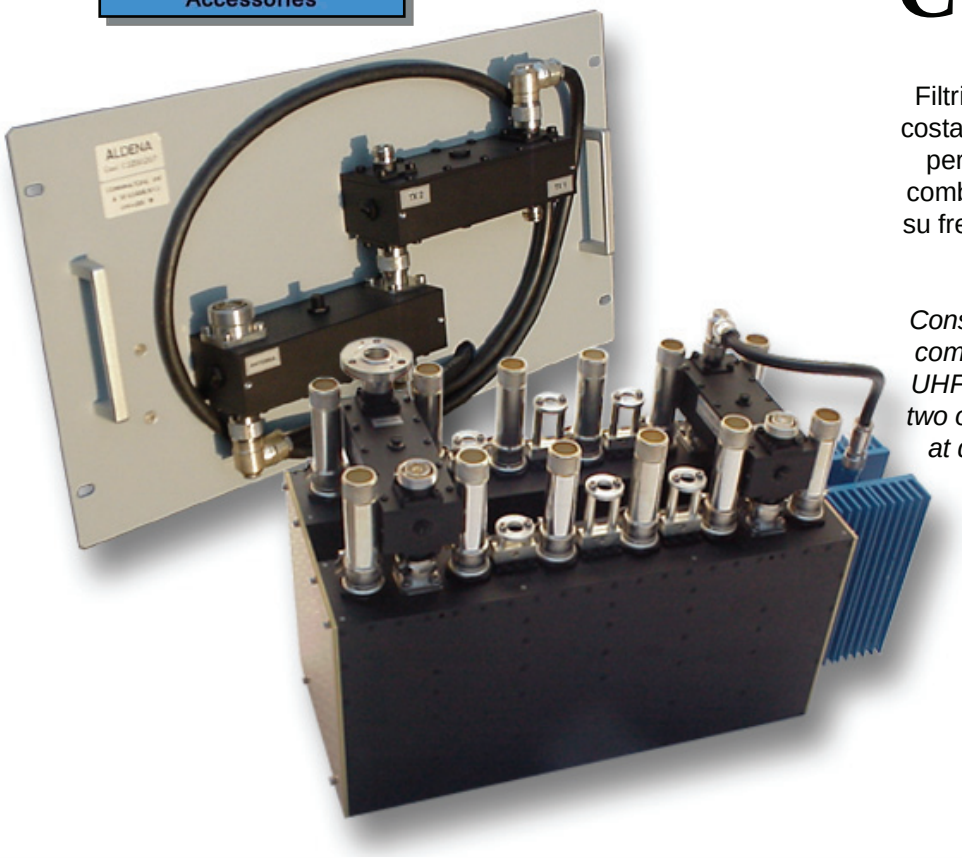
VHF
UHF
Accessories

CF2Y.---.72
C2Z.---.70



Filtri combinatori ad impedenza costante (cavità) ed a sfasamento per la banda UHF - Adatti per combinare due o più trasmettitori su frequenze diverse nella stessa antenna.

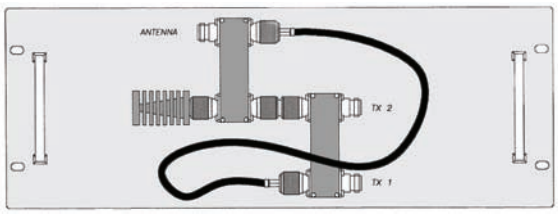
Constant impedance (cavity) and commutating line combiners for UHF band - Suitable to connect two or more transmitters working at different frequencies to the same antenna system.

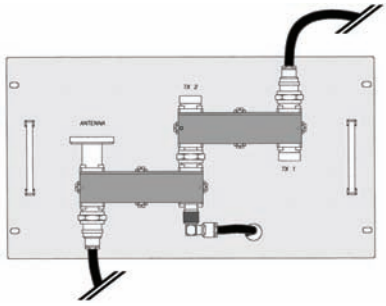
ALDENA produces a complete line of UHF combining filters for a wide range of power input.
The specific purpose of a combining filter is to combine two or more transmitting channels into the same antenna system.
The two different models available in the Aldena products range are the CONSTANT IMPEDANCE type and the COMMUTATING LINE type.
The constant impedance type uses resonant cavities in order to built directional filters using 3 dB couplers. In some cases star type combiners are suggested.
This system is suitable to combine two very narrow channels, even adjacents if necessary, and is more expensive than the commutating line type.
The commutating line combiner, which does not require the use of resonant cavities, provides exceptional performances at economical cost. This technique is effective and widely adopted in the VHF and UHF range, with a frequency spacing of at least 3 channels.

CF2Y.---.72 C2Z.---.70

DETTAGLI ELETTRICI Combinatori ad Impedenza Costante - *ELECTRICAL DETAILS Constant Impedence Combiners*

	CF2Y.002.72	CF2Y.010.72	CF2Y.025.72	CF2Y.050.72
Potenza massima ***Max power***	200W + 200W	1 kW + 1 kW	2,5 Kw + 2,5 Kw	5 Kw + 5 Kw
Connettori IN ***IN Connector***	N Femmina *N Female*	7/16" Femmina *7/16" Female*	EIA 7/8"	EIA 1-5/8"
Connettori OUT **OUT Connectors**	N Femmina *N Female*	EIA 7/8"	EIA 1-5/8"	EIA 3-1/8"
Isolamento sul carico ***Isolation tow. dummy load***	> 32 dB	> 32 dB	> 32 dB	> 32 dB
Isolamento tra i canali ***Isolation between channels***	> 32 dB	> 32 dB	> 32 dB	> 32 dB
Distanza min. tra i canali ***Min dist. Between channels***	3 Ch	2 Ch	1 Ch	1 Ch
Perdite di inserzione Tx 1 ***Insertion loss Tx 1***	0,05 dB (Broadband)	0,05 dB (Broadband)	0,05 dB (Broadband)	0,05 dB (Broadband)
Perdite di inserzione Tx 2 ***Insertion loss Tx 2***	0,4 dB	0,4 dB	0,4 dB	0,1 dB
V.S.W.R. Tx 1	> 30 dB	> 30 dB	> 32 dB	> 32 dB
V.S.W.R. Tx 2	> 30 dB	> 30 dB	> 30 dB	> 30 dB





DETTAGLI ELETTRICI Combinatori a Sfasamento - *ELECTRICAL DETAILS Commutating Line Combiners*

	C2Z.001.70	C2Z.002.70	C2Z.005.70	C2Z.010.70
Potenza massima ***Max power***	100W + 100W	200W + 200W	500W + 500W	1000W + 1000W
Connettori IN ***IN Connector***	N Femmina *N Female*	N Femmina *N Female*	N Femmina *N Female*	7/16" Femmina *7/16" Female*
Connettori OUT **OUT Connectors**	N Femmina *N Female*	N Femmina *N Female*	7/16" Femmina *7/16" Female*	EIA 7/8"
Isolamento sul carico ***Isolation tow. dummy load***	> 28 dB	> 28 dB	> 28 dB	> 28 dB
Isolamento tra i canali ***Isolation between channels***	> 32 dB	> 32 dB	> 32 dB	> 32 dB
Distanza min. tra i canali ***Min dist. between channels***	3 Ch	3 Ch	3 Ch	3 Ch
Perdite di inserzione Tx 1 ***Insertion loss Tx 1***	0,5 dB	0,3 dB	0,3 dB	0,3 dB
Perdite di inserzione Tx 2 ***Insertion loss Tx 2***	0,5 dB	0,3 dB	0,3 dB	0,3 dB
V.S.W.R. Tx 1	> 28 dB	> 30 dB	> 30 dB	> 30 dB
V.S.W.R. Tx 2	> 28 dB	> 30 dB	> 30 dB	> 30 dB

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