

Low Band VHF Low Pass Harmonic Filters

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Features

- High Rejection through 3rd Harmonic
- Low Insertion Loss and VSWR
- Minimized Length
- Copper Construction



ERI offers a series of high rejection, low-pass harmonic filters for transmitter power levels up to 33 kW for low band VHF applications. Chebyshev design parameters define element values which, when synthesized, provide 35 dB or greater rejection at the 2nd harmonic and greater than 40 dB to the 3rd harmonic. The oversized center section ensures optimal power handling capability.

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Model	Outer Conductor	Input / Output	Filter Body	ATSC 1.0	ATSC 3.0	Length	
CF259	CU	1-5/8-inch	1-5/8-inch	10kW	6kW	116.00 in	2946 mm
CF330	CU	3-1/8-inch	3-1/8-inch	27kW	15kW	116.00 in	2946 mm
CF326	CU	3-1/8-inch	6-1/8-inch	33kW	16.5kW	116.00 in	2946 mm

Specify flanged or unflanged input and output.

Specifications:

Input VSWR: 1.05 : 1 or better over channel

Insertion Loss: 0.05 dB or less over channel

Rejection: > 35 dB at 2nd Harmonic, > 40 dB at 3rd Harmonic