

High Band VHF Coaxial Low Pass Harmonic Filters

Features

- High Rejection through the 5th Harmonic
- Low Insertion Loss and VSWR
- Minimized Length
- Copper Outer Conductor
- Built-in Couplers Available
- Broadband Design



ERI offers a series of high rejection, low-pass harmonic filters for transmitter power levels up to 45 kW for high band VHF applications. Chebyshev design parameters define element values which, when synthesized, provide 40 dB or greater rejection at the 2nd harmonic and greater than 50 dB to the 5th harmonic. The oversized center section ensures optimal power handling capability. Each filter is individually tested and tuned for optimum electrical and mechanical performance. Measured test data is supplied with each filter.

High Band VHF Low Pass Harmonic Filters

Model	Outer Conductor	Input/ Output	Filter Body	Power Rating		Length	
				ATSC 1.0	ATSC 3.0		
CF260A-D	CU	7-16 DIN Female	2-1/8-inch	2 kW	2 kW	48-inches	1219 mm
CF260	CU	1-5/8-inch Unflanged	2-1/8-inch	6 kW	3 kW	48-inches	1219 mm
CF265	CU	1-5/8-inch Flanged	2-1/8-inch	6 kW	3 kW	48-inches	1219 mm
CF397-NF	CU	3-1/8-inch Unflanged	3-1/8-inch	15 kW	9 kW	48-inches	1219 mm
CF397-EIA	CU	3-1/8-inch Flanged	3-1/8-inch	15 kW	9 kW	48-inches	1219 mm
CF329	CU	3-1/8-inch Unflanged	4-1/16-inch	27 kW	15 kW	48-inches	1219 mm
CF329EIA	CU	3-1/8-inch Flanged	4-1/16-inch	27 kW	15 kW	48-inches	1219 mm
CF400	CU	4-1/16-inch Unflanged	4-1/16-inch	30 kW	15 kW	48-inches	1219 mm
CF400FL	CU	4-1/16-inch Flanged	4-1/16-inch	30 kW	15 kW	48-inches	1219 mm
CF402	CU	4-1/16-inch Unflanged	6-1/8-inch	45 kW	35 kW	48-inches	1219 mm
CF402FL	CU	4-1/16-inch Flanged	6-1/8-inch	45 kW	35 kW	48-inches	1219 mm

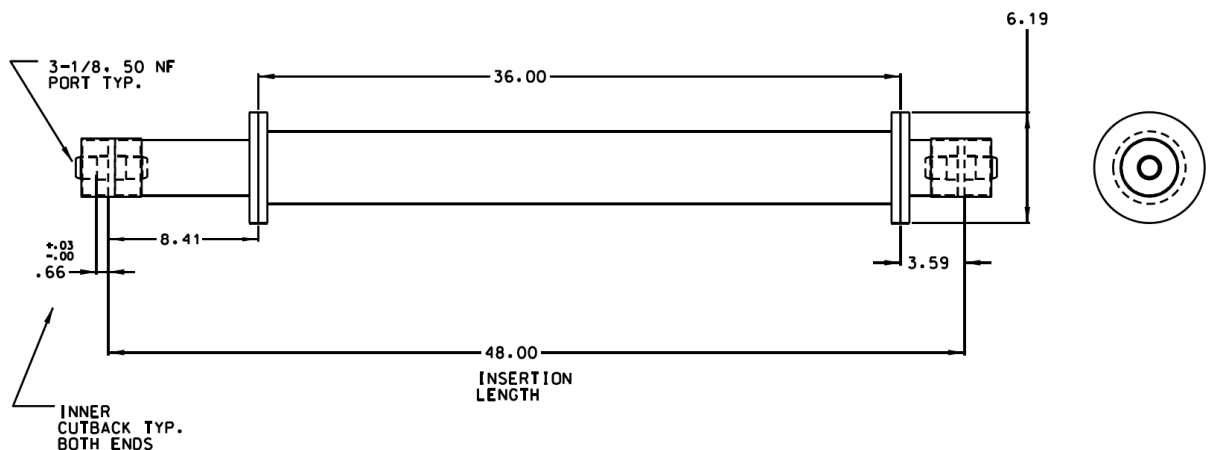
Specifications:

VSWR: <1.06:1 over band

Insertion Loss: <0.1 dB over band

Rejection-Single Channel: > 40 dB at 2nd Harmonic, > 50 dB 3rd through 5th Harmonic

Rejection-Wide Band: > 35 dB at 2nd Harmonic, > 50 dB 3rd through 5th Harmonic



ERI High Band VHF Coaxial Low Pass Harmonic Filter, unflanged connections.

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