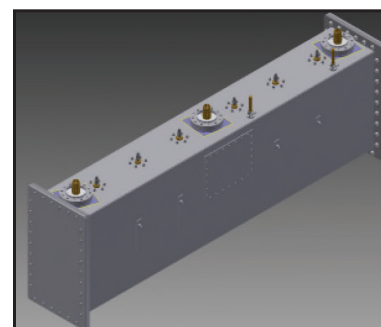


VF-H8600 Integrated High Band VHF Channel Combiner

Features

- Economical alternative to traditional branch combiner configurations
- Eliminates on site filter assembly
- High power handling in a small footprint
- Temperature compensated filter design
- In-Line junction combiner for any two N+4 spaced high band VHF channels
- High Q Low loss 3-pole combine design
- Lightweight Aluminum construction



The VF-H8600 is a compact solution for combining two high band VHF television channels into a single antenna. This is a single cabinet solution that is an economical alternative to traditional modular combiner configurations. The channel diplexer consists of two three (3) section band pass filters integrated into a single compact floor or ceiling mounted cabinet that requires no on site combiner assembly. It will combine any two high band VHF RF channels that are a minimum of 24 MHz spaced (N+4). The filters are temperature compensated.

Specifications

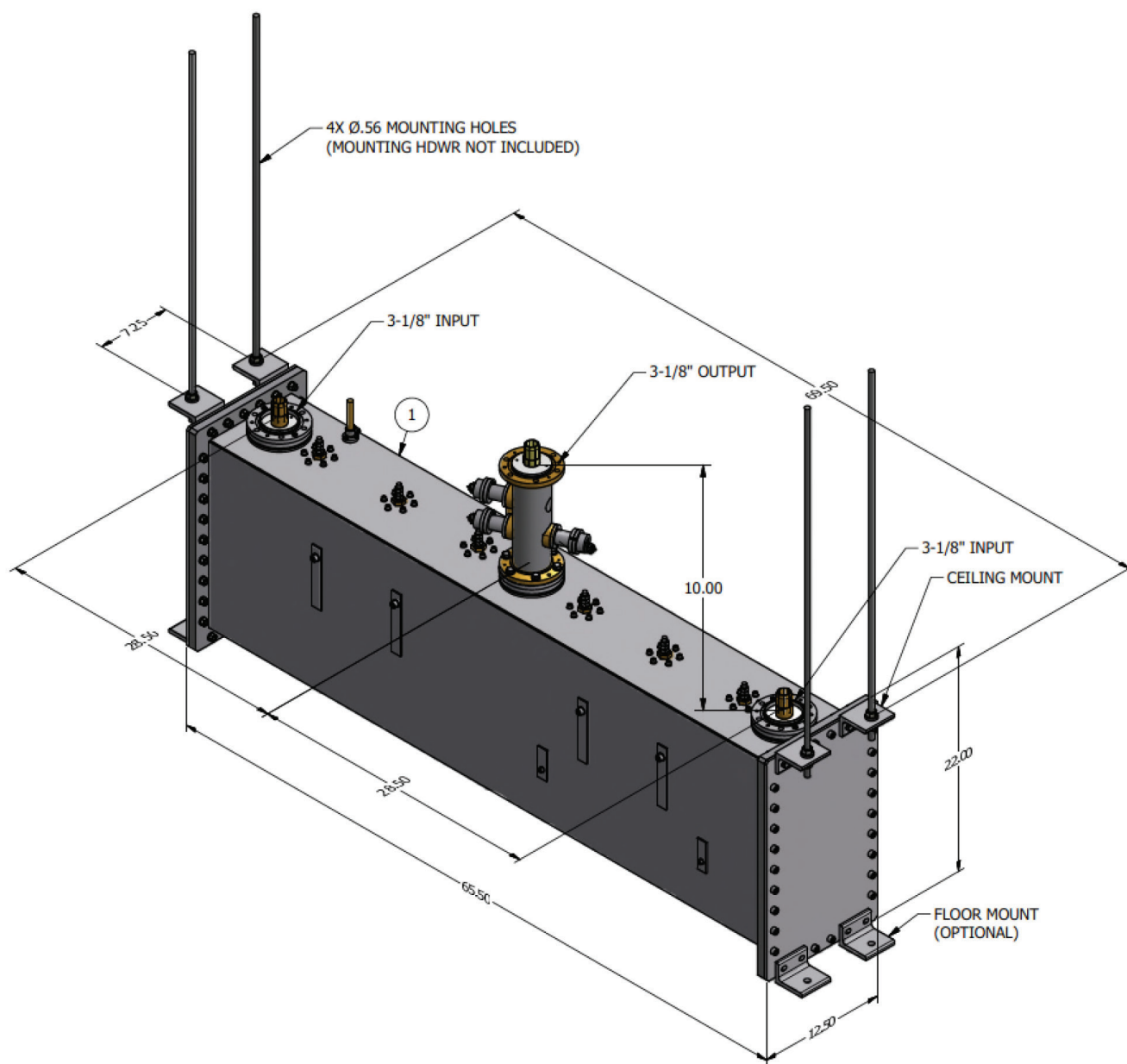
Model:	VF-H8600		
Input and Output Connectors:	3-1/8-inch EIA flange, male		
Power Handling Capability:	8 kW per input, average power, 8VSB or COFDM 16 kW combined output		
Combiner Size and Weight:	Length	69.5 inches	(1765 mm)
	Width	13.5 inches	(343 mm)
	Height	22.0 inches	(559 mm)
	Weight	202 lbm	(91.8 kg)
Frequency2:	All Band III VHF Television Channels (174 to 216 MHz)		
VSWR1:	<1.1:1, maximum		
Isolation:	30 dB minimum		
Insertion Loss:	<0.15 dB		
Group Delay:	<10 nsec overall variation 6 MHz		

1) When terminated in 50-Ohm resistive load.

2) N + 4 RF Channels (24 MHz spacing between channels)

Specifications presented are typical, total system performance may vary. In a continuing effort to improve products, ERI reserves the right to change specifications and features.

VF-H8600 Integrated High Band VHF Channel Combiner



VF-H8600 High Band VHF Diplexer. Shown with optional three port directional coupler at the combined output.