

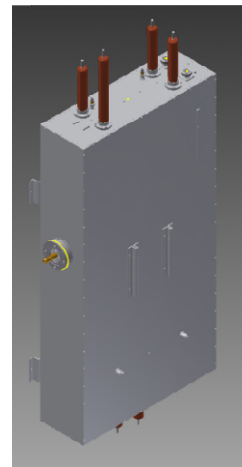
ERI FI136 Integrated FM Channel Combiner

Features

- Factory tuned to customer's specified channels, yet can be easily field converted to any FM channel
- High stability temperature compensated cavities
- Ability to change frequency quickly and with a minimum of disassembly
- Compact filter

ERI's Model FI136 is a compact two channel FM combiner primarily intend for combining FM translators into a shared FM antenna. This product is a single wall mounted cabinet that combines any two FM channel, minimally separated by at least 1.6 MHz. The convection cooled FI136 is rated for up to 750 W per input and a combined output of 1.5 kW.

The combiner is temperature compensated and the filter set is constructed of lightweight Aluminum with copper resonators. Non-adjacent coupling increases rejection of transmitter out of band emissions. The combiner includes a single port directional coupler at the combined output and directional couplers for the combiner inputs are optionally available.



Specifications

Model:	FI136		
Input Connectors:	7-16 DIN female		
Output Connector:	Specify 1-5/8-inch or 7/8-inch EIA flange		
Power Handling Capability:	750 watts per input 1.5 kW combined output		
Combiner Size and Weight:	Length	29.6 inches	(752 mm)
	Width	24.0 inches	(610 mm)
	Height	5.1 inches	(130 mm)
	Weight	45 lbm	(20.4 kg)
Frequency²:	All FM Broadcast Channels (88 to 108MHz)		
VSWR¹:	<1.1:1, \pm 150 kHz, maximum		
Insertion Loss:	<0.60 dB		
Group Delay:	<75 nsec overall variation \pm 150 kHz		

1) When terminated in 50-Ohm resistive load.

2) 1.6 MHz or more between frequencies.

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.