



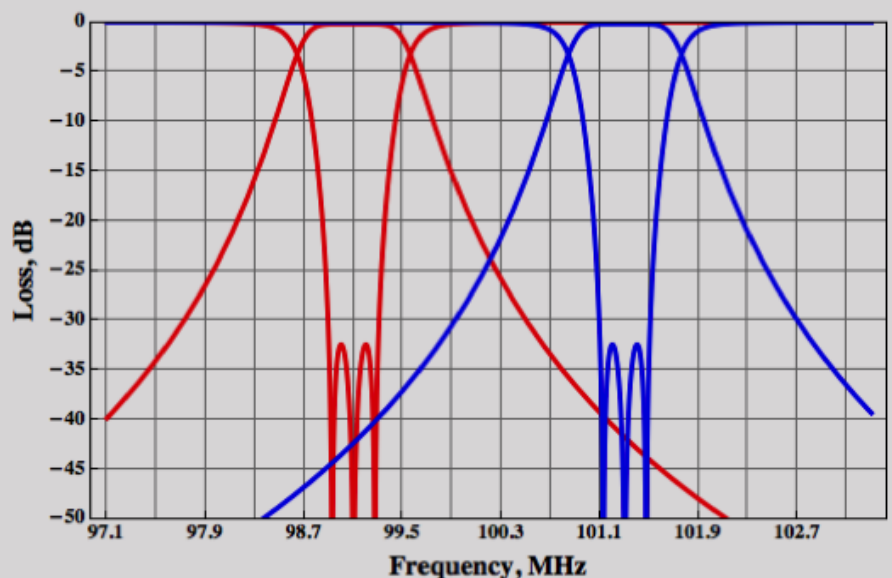
AVAILABLE
TODAY

Manufactured in Maine, USA

Dielectric introduces a new line of Common Case Channel Combiners that efficiently combine two FM stations (-10 dB IBOC compatible) to one antenna. Combiner cost and efficiency is improved by eliminating coaxial Tee junction and associated line/elbows complex. Combiner size is reduced by eliminating coaxial Tee junction making it particularly attractive where space is limited. Dielectric's common case channel combiner module is field-tunable across the FM band in the event of the need for channel change.

Key Features:

- Tee junction and delay lines eliminated, resulting in lower initial cost
- Higher efficiency, lower operating cost
- IBOC compatible
- Field-tunable 3 or 4 pole designs
- Cross coupling provided for tighter isolation and efficiency requirements
- Compact for space-limited sites
- 3 kW max output



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04/11/16

FM 2-CHANNEL COMBINER

PARAMETER	SPEC	
Port Size	7/8 or 1 5/8" EIA, male	
Maximum Output Power	3.0 kW, Analog + Digital	
Frequency Range	88-108 MHz	
Standard	FM/IBOC	
Filter Sections	3	4
Channel Spacing* (40 dB Isolation)	2.2 MHz min	1.2 MHz
Insertion Loss (fo)	.38 dB	.68 dB
Insertion Loss (+/- 200 kHz)	.45 dB max	.85 dB max
Rejection* fo +/- 800 kHz fo +/- 1.60 kHz	N/A 28 dB	30 dB 48 dB
Delay Variation (+/- 200 kHz)	100 ns max	350 ns max
Input Return Loss	28 dB	28dB
Weight	110 lbs (50 kg)	145 lbs (66 kg)
Length x Width x Height	32 x 13 x 40 in 81 x 33 x 102 cm	39 x 13 x 40 in 99 x 33 x 102 cm
Ambient Temp Range	10° C to 40° C	
Material	Aluminum/Copper	
Cooling	Free Convection	
Temperature Stability	< 3 kHz / C	
Thermal Compensation	Compensated Resonator	
Output Power Rating at Altitude	2.8 kW at 1000 ft 2.7 kW at 2000 ft 2.1 kW at 5000 ft	
Model Number	DFC-J2-FT3T6I	DFC-J2-FT4T6I
Consult factory for greater rejection and reduced channel spacing using Dielectric Patent Pending Cross Coupling.		

All specifications are subject to change.



The logo features the word "Dielectric" in a large, blue, serif font. A red swoosh underline starts under the 'D' and extends to the right, ending under the 'c'. A registered trademark symbol (®) is located to the upper right of the 'c'.

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