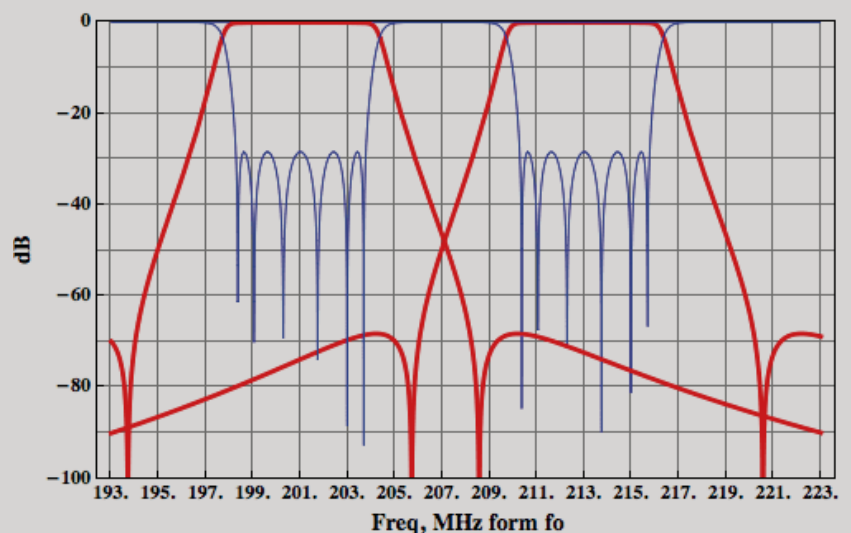


Dielectric introduces a new line of VHF Common Case Channel Combiners that efficiently combine two stations in one antenna. Combiner cost, size and efficiency are improved by eliminating coaxial T-junction and associated line/elbow complex. The reduced size makes it particularly attractive where space is limited. Dielectric's common case channel combiner module is field-tunable across the VHF band in the event of the need for channel change. Modules are provided with mask filters that incorporate cross coupling to provide FCC IM compliance.

Key Features:

- T-junction and delay lines eliminated, resulting in lower initial cost
- Higher efficiency, lower operating cost
- Field-tunable 6-pole design
- Cross coupling provided for improved isolation
- Compact for space-limited sites



Trusted for Decades. Ready for Tomorrow.

PARAMETER

SPEC

Port Size	3 1/8" NF
Maximum Input Power	20 kW ave.
Frequency Range	170 - 213 MHz
Standard	ATSC, ATSC 3.0 Compatible
Insertion Loss (fo)	.17 dB max
Insertion Loss (+/-2.69 kHz)	.27 dB max
Rejection (ATSC)	
fo +/-3.25 MHz	2.5 dB
fo +/-4.00 MHz	12 dB
fo +/-5.00 MHz	24 dB
fo +/-6.00 MHz	32 dB
fo +/-9.00 MHz	64 dB
Group Delay Variation	200 ns max
Input Return Loss	28 dB
Weight	530 lbs (240 kg)
Length x Width x Height	68 x 44 x 27 in 1727 x 112 x 69 cm
Ambient Temp Range	10°C to 40°C
Cooling	Aluminum/Copper
Temperature Stability	< 3 kHz / C
Thermal Compensation	Compensated Resoantor
Output Power Rating at Altitude	11 kW at 1000 ft 10.5 kW at 2000 ft 8 kW at 5000 ft
Model Number	CJ-HT6T8I-12k