



25kW H-VHF DTV Channel Filter/Combiner Non Critical CIF 25kW

Model Number	CHV2CN72
Total Average Power ₁	25 kW
Frequency	174-230 MHz
Channel Spacing	≥1
Average Power Handling ₁	15 kW
Response Curve	Non Critical (Full Mask)
Temperature Compensated	Temperature tuned
Insertion Loss 6MHz ATSC	
F0	< 0.3 dB
F0± 2.69 MHz	< 0.45 dB
F0± 3.50 MHz	< 0.05 dB
F0± 4.50 dB	>11.6 dB
F0± 6.00 MHz	>30 dB
F0±9.00 MHz	>64 dB
Group Delay Variation	< 150 nS over passband
Connector	1 5/8" EIA/ 31/8" EIA
Average Power Handling _{1,3}	10 kW
Insertion Loss	≤ 0.1 dB
Group Delay Variation ₂	< 100 nS over passband
Connector	1 5/8" EIA/ 31/8" EIA
Output Connector	1 5/8" EIA/ 31/8" EIA
NB to WB	≥ 35 dB
WB to NB	≥ 50 dB
VSWR	< 1.06
Material	Al
Hybrid Type	Coaxial
Number of Poles	7
Temperature Stability	≈10 kHz/°F
Blowers & Shrouds	No
Ambient Temperature	68°F(20°C) to 95°F(35°C)
Storage Temperature	32°F(0°C) to 122°F(50°C)
Ambient/Storage Humidity	0-98% non-condensing
Dimenstions (LxWxH)	87"x27"x33" (2.2m x 0.7m x 0.8m)
Weight	700 lbs (318 kg)
Max. Altitude ₄	10,000 feet (3050m)
Application	ATV/DTV

1. Measured at 77°F(25°C), sea level, 0 PSIG

2. Group delay variation over the pass band

3. By reducing the average input at NB input, half of the power reduced can be added to the WB input

4. For more than 5000 feet (1524m), please contact the factory

