



## L-VHF DTV Channel Filter/Combiner Critical CIF 25kW

Model Number	CLV2CC82
Total Average Power <sub>1</sub>	25 kW
Frequency	54-88 MHz
Channel Spacing	≥0
Average Power Handling <sub>1</sub>	15 kW
Response Curve	Critical (Full Mask)
Temperature Compensated	Yes
Insertion Loss 6MHz ATSC	
F0	< 0.25 dB
F0± 2.69 MHz	< 0.65 dB
F0± 3.00 MHz	< 3.65 dB
F0± 3.25 dB	>23 dB
F0±9.00 MHz	>64 dB
Group Delay Variation	< 400 nS over passband
Connector	1 5/8" EIA/ 31/8" EIA
Average Power Handling <sub>1,3</sub>	5 kW
Insertion Loss	≤ 0.1 dB
Group Delay Variation <sub>2</sub>	< 300 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 with Invar rods
Hybrid Type	Coaxial
Number of Poles	8
Temperature Stability	< 50 kHz shift over temperature range
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)	85"x48"x68" (2.1m x 1.m x 1.7m)
Weight	1540 lbs (700 kg)
Max. Altitude <sub>4</sub>	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 (1534m), please contact the factory

