



UHF WAVEGUIDE FILTER/COMBINER

JAMPRO RF Systems' Constant impedance channel combiner provides broadcasters with the ability to combine UHF television transmitters. The combiners employ dual-mode elliptical response cylindrical waveguide band pass filters and 3-dB hybrid couplers in a compact unitized frame. This system allows different high power UHF channels to combine & use one common antenna /feed system while still maintaining low insertion loss. The Constant Impedance Combiners are versatile enough to handle transmitter power levels up to 20 kilowatts with a minimum amount of change in layout. Each unit is electrically and mechanically performance tested to ensure strict adherence to JAMPRO's superior level of quality.

UHF Bands IV & V

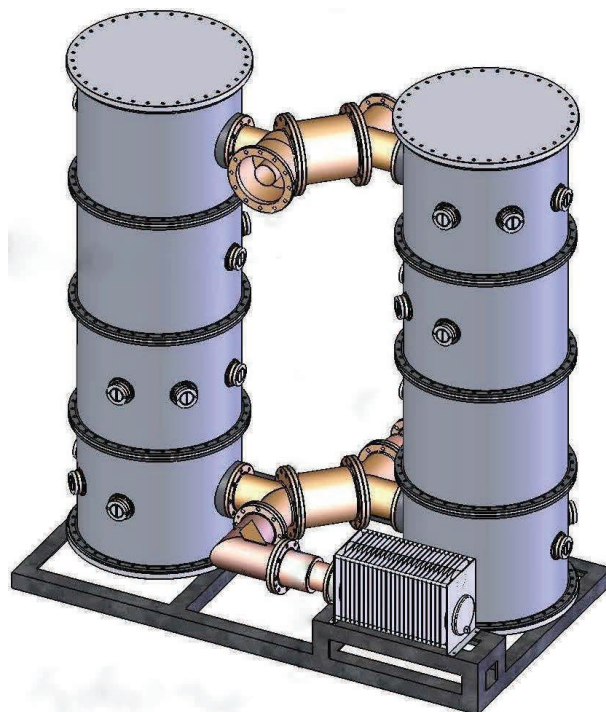
DVB-T2 / ISDB-T / ATSC

Low insertion loss

High isolation

Power levels up to 20 kW avg. per channel

Rugged high quality design



TYPICAL SPECIFICATIONS	
Frequency Range	470 – 860 MHz
Insertion Loss	NB .25 dB typ. WB .10 dB typ.
VSWR	NB 1.05:1 WB 1.10:1
Isolation	One module: NB to WB ≥ 35 dB, WB to NB ≥ 50 dB Two modules: NB to WB ≥ 35dB, WB to NB ≥ 50dB, NB to NB ≥ 50 dB