Channel Combiner for LPTV

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Type 7503HV channel combiner connects three 1 KW VHF transmitters to one broadcast antenna line. Models S7502HV connect two and four channels, respectively, to the same antenna. This product has a frequency range of 174 to 450 MHz.

The filter requires a minimum guardband of at least one channel. Channel "through loss" is typically 0.5 dB. Each assembly consists on two, three, or four bandpass filters with individual inputs and a common output. Connectors are 50-ohm 7/8th. Individual channel bandpass filters are 3 × 12 × 17-inches and weigh fifteen pounds each. They are constructed of welded aluminum. The filters are mounted on a common panel for studio installation.

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