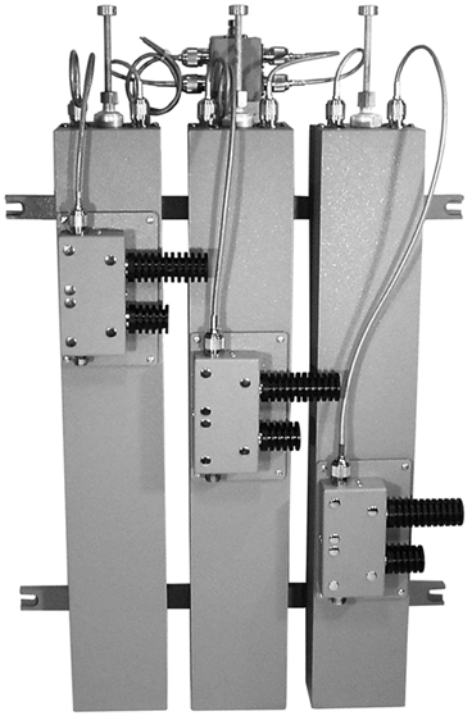
FILTER FERRITE TRANSMITTER COMBINER APPLICATION NOTES:

- Please refer to application notes concerning Isolators and Cavity Resonators.
- Standard transmitter combiner input connectors are type N female. Contact the factory for available connector options.
- If combined output power exceeds 400 watts, 7/16 DIN connectors are recommended.
- Combiner insertion losses and TX-TX isolation vary according to spacing between transmit channels.
- Contact the factory for transmitter combiners with frequency bands, power levels, channel spacing or number of channels which are not listed in this brochure.
- Larger cavities are available for tighter channel spacing and higher transmit power; please contact the factory.
- Successful combiner expansion is dependent on existing and future frequencies, input powers, combiner physical format and many other factors. Please contact the factory for assistance with present and future antenna system design and engineering needs.
- In many instances field expansion of combining systems is impractical or impossible. Often, factory optimization of expanded combiners is desirable. Contact the factory for availability of “loaner” units and quick turnaround for “in-factory” combiner expansion, refurbishment, repair and optimization.
- UHF Filter Ferrite Transmitter Combiners from 300-650 are separated into 5 separate frequency grouping not shown below: A (300-375 MHz), B (375-440 MHz), C (440-512 MHz), D (512-580 MHz) and E (580-650 MHz). These frequency designators are to be included after the “7” in the model number (i.e. 65311/7C for a combiner with transmit frequencies between 440-512 MHz).



HYBRID FERRITE TRANSMITTER COMBINER APPLICATION NOTES:

- Please refer to all isolator application notes .
- Hybrid combiners below 155 MHz may require offset tuning of the isolators dependent on the transmit power levels, exact operating frequency, duty cycle and operating enviroment.
- Hybrid combiners with ferrite isolators also include 2nd harmonic filters. Models with more than 2 channels include all cabling internal to the Hybrid combiner.
- Hybrid combiners rated at 250 watts require forced air cooling fans (model with an “F”) for operations exceeding 50% duty cycle (1 minute on and 1 minute off) .
- Standard hybrid combiners have type N female connectors on all ports. BNC female connectors are available for application below 50 watts; please contact the factory .
- Transmitter-to-transmitter isolation given below minimum when hybrid(s) are matched to the antenna system per instruction provided .
- Hybrid combiners are available from 2 to 16 channels and higher power levels than those listed; please contact the factory .
- Hybrid combiners can be equipped with band pass and/or pass notch cavity resonators for transmitter wide band noise suppression.