

TC760

CERAMIC ENHANCED 760 MHz COMBINER

The Telewave Ceramic Enhanced 760 MHz Transmit Combiner brings ceramic technology to conventional and trunked Public Safety systems.

The TC760 combiner requires only 7 inches of vertical rack space for 5 channels, providing high filtering performance with minimum rack space.

The combiner provides the protection and high isolation of Telewave dual isolators on each channel for elimination of interference and intermodulation.

Ceramic enhanced cavities allow combining of channels at 250 KHz with reasonable insertion loss. Per-channel power monitoring and attenuated input or output sample ports are available.

Fully temperature compensated components ensure frequency stability throughout the entire temperature range. The unique design also allows the cavity to be tuned under the full 80 watts of input power.

The TC760 combiner is field expandable one channel at a time, up to 10 channels with pretuned expansion kits. This building block concept allows the installation of new channels without the need for specialized test equipment, and without disrupting existing users.



SPECIFICATIONS	
Frequency range	763-776 MHz
Frequency spacing (typ.)	250 KHz
Temperature	0°C to +50°C
Channels	1-5
TX to TX isolation	80 dB at 500 KHz
Antenna to TX isolation (min)	70 dB
Insertion loss (typ.)	2.8 dB - 5 ch. at 500 KHz 3.4 dB - 5 ch. at 250 KHz
Power input / channel	80 watts (continuous)
VSWR (max)	1.3:1
Dimensions (HWD) in. (cm)	7 x 19 x 14.75 (17.8 x 48.3 x 37.5)
Depth from front panel in. (cm)	13 (33)
Weight lb. (kg)	36 (16.3)