

TC804 SERIES

EXPANDABLE CERAMIC CELLULAR COMBINERS

Ceramic Low Loss Combining is another first from Telewave, pioneers of Low Loss Combining. Our CELLCO product line provides complete selection of ceramic cavity filters and combiners, for cellular and SMR site management.

Telewave's ceramic resonators offer the same high performance as our standard low loss cavities, in a much smaller package.

The TC804 Cellular Ceramic Enhanced Low Loss Combiner combines up to 8 channels in only 8.75" of standard 19" rack space.

Ceramic enhanced resonators allow combining of transmitters at a frequency spacing as close as 360 KHz. Lower insertion loss per channel is another result of the sharper selectivity of the resonators. This unique design also permits tuning under full power at 80 watts per channel, without damage to the resonators.



SPECIFICATIONS

Frequency range	869-896 MHz
Frequency spacing (min)	360 KHz
Temperature	0°C to +50°C
TX to TX isolation (min)	65 dB
Ant to TX isolation (min)	60 dB
Insertion loss (typ.)	1.8 dB - 4 ch. at 630 KHz
	2.5 dB - 16 ch. at 630 KHz
	3.8 dB - 24 ch. at 630 KHz
Power input / channel	80 W
Transmitter input VSWR (max)	1.25:1
Dimensions (HWD) in. (cm)	8.75 x 19 x 14.75 (22.2 x 48.3 x 37.5)
Depth from front panel in. (cm)	13 (33)
Weight lb. (kg)	45 (20.4)