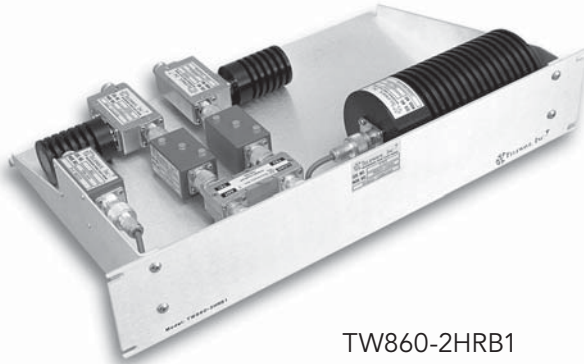


TW860-2HRB1, TW860-4HRB1

COMPACT HYBRID COMBINERS



TW860-2HRB1



TW860-4HRB1

Telewave Compact Hybrid Combiners allow transmitter combining with close frequency spacing that is not practical for cavity-ferrite combiners. Combining adjacent channels is possible, even two transmitters on the same frequency. The TW860-2HRB1 and -4HRB1 will handle 2 or 4 channels respectively, with reasonable insertion loss.

These compact combiners provide high performance in a very small space. Both combiners occupy only two rack units each (3.5") of vertical space on a 19" rack. Each combiner is a broadband device, and is pretuned for 800 MHz SMR/ESMR, Trunking, or NPSPAC.

No additional tuning is required during installation. A harmonic filter on each channel maintains spurious

products below FCC minimum standards.

The TW860-2HRB1 and -4HRB1 operate as stand-alone devices, and can be integrated into any standard Telewave cavity/ferrite system to provide maximum flexibility in frequency assignment. Contact our System Engineering Department for custom integration, and high power applications.

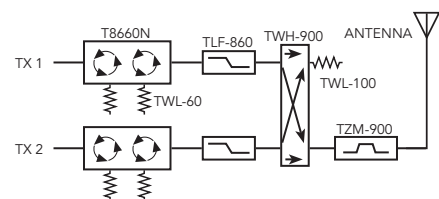
ELECTRICAL SPECIFICATIONS

Frequency range	851-869 MHz
Bandwidth	10-30 MHz
Input power (max)	100 watts per channel
Impedance / Input VSWR (max)	50 ohms / 1.5:1
TX to TX isolation	90 dB
Antenna to TX isolation	65 dB
2nd Harmonic attn.	65 dB
Insertion loss: 2 ch. / 4 ch.	3.8 dB / 7.0 dB
Temperature range	-30° to +60°C

MECHANICAL SPECIFICATIONS

Model	TW860-2HRB1	TW860-4HRB1
Dimensions (in) (HWD)	3.5 x 19 x 11.25	3.5 x 19 x 16.75
Net weight (lb)	15	30
Ship weight (lb)	20	40
Enclosure	Alodined Aluminum	
Hardware	Stainless Steel	
Connectors	N Female	

BLOCK DIAGRAM
TW860-2HRB1 TWO CHANNEL HYBRID



BLOCK DIAGRAM
TW860-4HRB1 FOUR CHANNEL HYBRID

