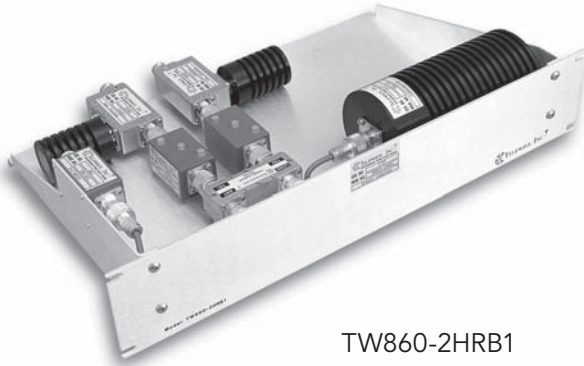


# TW860-2HRB1, TW860-4HRB1

## COMPACT HYBRID COMBINERS



TW860-2HRB1



TW860-4HRB1

Telewave Compact Hybrid Combiners allow system operators to combine transmitters operating as close as adjacent channels, which is not practical with cavity-ferrite combiners. 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

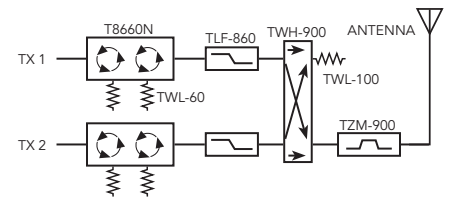
only two rack units each (3.5") of vertical space on a 19" rack. Each combiner is a broadband device, and is pretuned for 800 MHz SMR/ESMR, Trunking, or NPSPAC.

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

