

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.

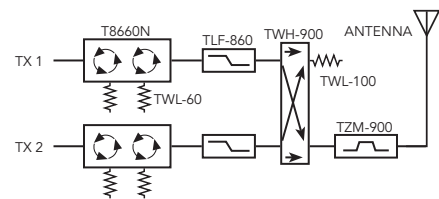
No additional tuning is required during installation. A harmonic

filter on each channel removes any spurious products.

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.

SPECIFICATIONS	
Frequency range	851-869 MHz
Channels	2 or 4
Bandwidth	10-30 MHz
Input power (max)	100 watts per channel
Impedance / Input VSWR (max)	50 ohms / 1.3:1
Insertion loss: 2 ch. / 4 ch.	3.8 dB / 7.0 dB
TX to TX isolation	90 dB
Antenna to TX isolation	65 dB
2nd Harmonic attn.	65 dB
Temperature range	-30° to +60°C
Mounting / Connectors	19" rack mount / N Female
Dimensions (HWD) in. (cm)	2 CH 3.5 x 19 x 11.25 (8.9 x 48.3 x 28.6) 4 CH 3.5 x 19 x 16.75 (8.9 x 48.3 x 42.5)
Weight Net / Ship lb (kg)	2 CH 15 (6.8) / 30 (13.6) 4 CH 20 (9.1) / 40 (18.2)
Enclosure	Alodined Aluminum

BLOCK DIAGRAM
TW860-2HRB1 TWO CHANNEL HYBRID



BLOCK DIAGRAM
TW860-4HRB1 FOUR CHANNEL HYBRID

