

## M106-450-4/8TPC COMPACT TRANSMITTER COMBINER PANELS

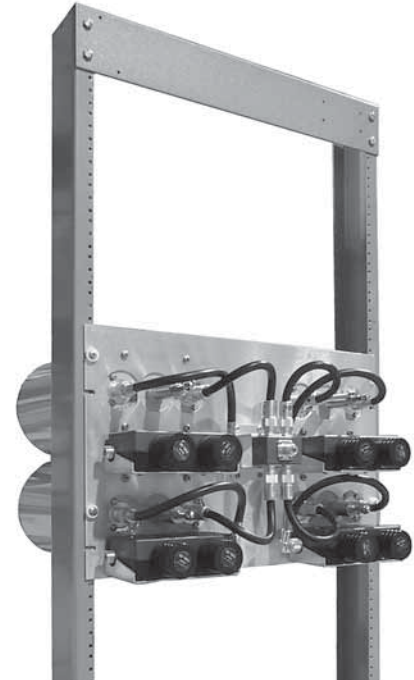
The Telewave M106-450-4TPC and 8TPC Compact Low Loss Combiner Panels are designed for new, narrowband technologies. Six-inch diameter high "Q" cavities and horizontal mounting dual isolators provide high performance in only 7RU (12.25").

All components in these field-expandable combiners are completely passive. This design allows for front panel tuning, simplifying installation and maintenance, and allows for addition of channels without any disruption of service.

These combiners are shipped without racks, for mounting in existing installations.

### FEATURES

- ULTRA COMPACT - 4 CH. ONLY 12.25" HIGH
- 1-8 TRANSMITTERS INTO ONE ANTENNA
- LESS THAN 3 dB INSERTION LOSS (4 CH.)
- MODULAR PANELS SIMPLIFY EXPANSION
- COMPLETELY SELF-CONTAINED
- LOW COST PER CHANNEL
- FULLY FIELD TUNABLE
- 80 dB TX TO TX PROTECTION



### MAJOR OPTIONS

- HEAVY DUTY 19" RACKS
- POWER MONITORING
- WATTMETER PANEL
- RECEIVER MULTICOUPLER
- EXPANSION KITS TO 8 CHANNELS (M106-450-1T)

SPECIFICATIONS - COMBINER	
Frequency range	400-512 MHz
Channels	1-8 channels into 1 or 2 antennas
Channel separation (min)	300 KHz
Input power (max)	150 watts per channel
Impedance / Input VSWR (typ.)	50 ohms / 1.25:1
Insertion loss per ch. (typ.)	2.9 dB - 4 ch. at 300 KHz spacing 3.4 dB - 8 ch. at 300 KHz spacing
TX-to-TX isolation (typ.)	80 dB
Antenna to TX isolation (typ.)	75 dB
2nd harmonic suppression (typ.)	90 dB
Cavity size	6" diameter / 1/4 wave
Operating temperature	-30°C to +60°C
Mounting / Connectors	19" rack mount / N Female
Panel dimensions (HWD) in. (cm)	12.25 x 19 x 17 (31.1 x 48.3 x 43.2)
Weight lb. (kg)	4 ch. 60 (27.2)