

M107-250-TP	200-300 MHz
M107-350-TP	300-400 MHz
M107-450-TP	400-512 MHz

M107-250, 350, 450 TP SERIES LOW LOSS TRANSMITTER COMBINER PANELS

Telewave M107-250, -350, and -450 Low Loss Combiner panels are designed for new, narrow-band technologies.

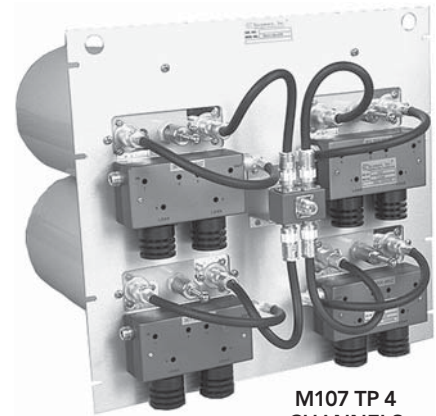
All components in these field-expandable combiners are completely passive. This design allows front panel tuning, simplifies installation and maintenance, and allows for addition of channels without any disruption of service.

Each panel fits a standard 19" rack, and allows up to 4 or 6 channels. Additional channels can be added to a panel without disrupting existing users.

These combiners are shipped without racks, for mounting in existing installations. The actual height and depth of each panel can vary with frequency. Lower frequencies require longer cavities.

FEATURES

- ALL TUNING FROM THE FRONT
- 4 OR 6 CHANNELS PER PANEL INTO ONE ANTENNA
- LESS THAN 3 dB INSERTION LOSS
- MODULAR PANELS SIMPLIFY EXPANSION
- LOW COST PER CHANNEL
- FULLY FIELD TUNABLE
- 80 dB TX TO TX PROTECTION



M107 TP 4 CHANNELS



M107 TP 6 CHANNELS

SPECIFICATIONS	
Frequency ranges	200-512 MHz
Channels	4 or 6 channels into one antenna
Channel separation (min)	250 KHz
Input power (std. / opt.)	100 / 150 watts per channel
Impedance / Input VSWR (typ.)	50 ohms / 1.25:1
Insertion loss per ch. (typ.)	3.25 dB at 275 KHz spacing
TX-to-TX isolation (typ.)	80 dB
Antenna to TX isolation (typ.)	75 dB
2nd harmonic suppression (typ.)	90 dB
Cavity size	7" diameter / 1/4 wave
Operating temperature	-30°C to +60°C
Mounting / Connectors	19" rack mount / N Female
Panel dim. typ. (HWD) in. (cm)	4 ch. 17.5 x 19 x 26 (44.5 x 48.3 x 66)
(Panel height varies with freq.)	6 ch. 24.5 x 19 x 26 (62.2 x 48.3 x 66)
Weight lb. (kg)	4 ch. 42 (19.1) / 6 ch. 58 (26.3)