

M108-150-8TP-M100 SERIES LOW LOSS HIGH POWER VHF COMBINER

Telewave American-made M108-150-M100 series VHF combiners handle 125 watts continuous power for 100% uptime in trunking and other critical systems. Usable to 15000 feet, contact Telewave for details.

With narrowband channel assignments, proper filtering is even more critical. The M108-150-8TP-M100 series allows operators of high-density VHF systems to take advantage of new technology, and enhance the performance of existing systems.

The M108 VHF combiner series uses high "Q" low-loss cavities mounted on an optional IEC standard 19" x 72" rack. 1 to 12 cavities can be rack-mounted horizontally on three 4-channel panels.

Optional power monitoring for each channel is available, as well as remote keying for each transmitter. The PM10C2S-1C wattmeter panel uses only 1.75" of rack space.

An optional receiver system can be built around a Telewave compact preselector, or full-size cavities as needed. Depending on the application, the preselector may be mounted in the upper portion of a 72" or 84" rack, along with a 1RU receiver panel with up to 16 channels.



M108-150-8TRM-M100
in optional 72 x 19" rack

SPECIFICATION

Frequency range	148-174 MHz
Channels	1-12 channels into 1 or 2 antennas
Channel separation (min)	125 KHz
Input power (max)	125 watts per channel
Impedance / Input VSWR (typ.)	50 ohms / 1.25:1
TX-to-TX isolation (typ.)	75 dB
Antenna to TX isolation (typ.)	70 dB
2nd harmonic suppression (typ.)	90 dB
Cavity size	8" diameter / 1/4 wave
Operating temperature	-30°C to +60°C
Mounting	19" rack mount (IEC 60297-3-100)
Connectors	N Female In / Out
Panel dimensions (HWD) in. / cm	21 x 19 x 26 / 53.3 x 48.3 x 66
Rack dimensions (HWD) in. / cm	72 x 19 x 26 / 183 x 48.3 x 66
Weight (typ) lb. (kg)	150 (68.1) 8 ch. rack-mounted