

## M101-150-8TRM19

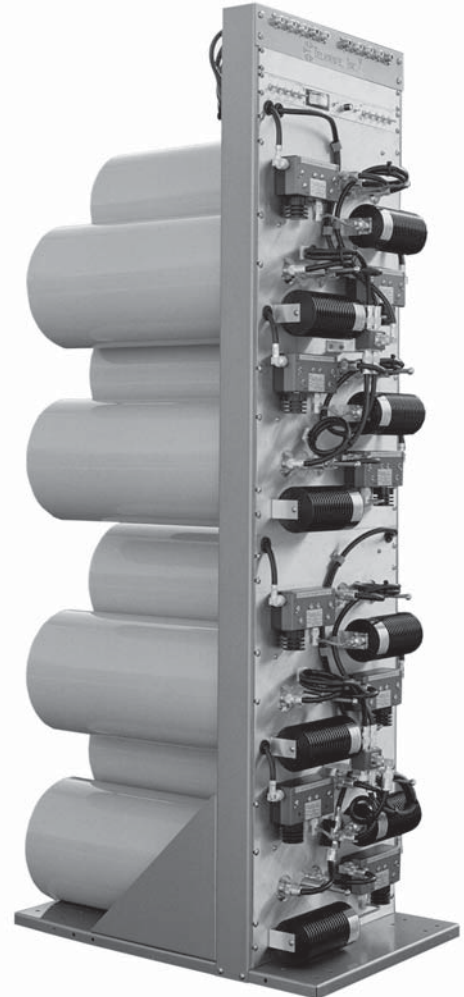
### LOW LOSS VHF COMBINER FOR CLOSE SPACING

The M101-150-8TRM19 uses up to eight 10", high "Q" low-loss cavities mounted on a standard EIA 19" x 72" rack. This combiner provides as much as 75 dB isolation for each transmitter, with spacing as close as 105 KHz. Each channel has a separate isolator with 60 Watt load (standard), and all tuning is accessible from the front panel.

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.

The optional receiver system is built around the Telewave compact preselector series. Depending on the application, the TPCP-1544C or 1546C preselector may be integrated directly into the upper portion of the M101-150 84" rack. The 1RU receiver panel also mounts straight into the rack, preserving valuable site floor space.

As frequency "re-farming" continues, and new narrowband channel assignments become more common, isolation between close-spaced channels is even more critical. The M101-150-8TRM19 allows operators of high-density VHF systems to take advantage of new technology, while preserving and enhancing the performance of existing equipment.



OPTIONAL 100 WATT  
LOADS SHOWN

SPECIFICATIONS	
Frequency range	148-174 MHz
Channels	1-8 channels into 1 or 2 antennas
Channel separation (min)	105 KHz
Input power (std. / opt.)	100 / 150 watts per channel
Impedance / Input VSWR (typ.)	50 ohms / 1.25:1
Insertion loss per ch. (typ.)	3.0 dB - 5 ch. at 250 KHz spacing 3.8 dB - 5 ch. at 150 KHz spacing
TX-to-TX isolation (typ.)	75 dB
Antenna to TX isolation (typ.)	70 dB
2nd harmonic suppression (typ.)	90 dB
Cavity size	10" diameter / 1/4 wave
Operating temperature	-30°C to +60°C
Mounting / Connectors	19" rack mount / N Female
Rack dimensions (HWD) in. (cm)	84 x 20 x 26 (214 x 51 x 66)
Weight lb. (kg)	250 (113.5)