

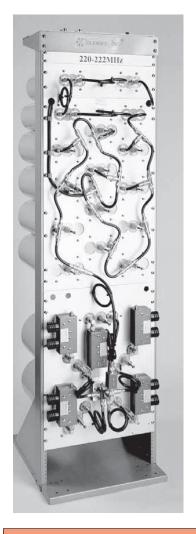
M108-220-5TRDS LOW LOSS COMBINING SYSTEM

transmitter and receiver combiner for with as few as two channels and add use in the 220 MHz trunking band, additional pass cavity preselector, panel are integral parts of the system. The TPRD-22612 duplexer incorporates twelve 6-inch, high "Q" cavities to provide more than 80 dB TX-TX isolation

Mounted on a 19" x 72" rack, and adjustment utilizing highly reliable components, the M108-220-5TRDS combiner designed to provide continuous, trouble-free service. All components are completely passive, with the exception of the solid-state receiver distribution amplifier and are easily accessible from the system as a whole. Remote the top or front of the rack.

The Model M108-220-5TRDS is a self- A unique capacity for channel contained, field tunable, five- channel expansion allows the operator to start frequencies without A pass-reject duplexer, four-pole disruption of existing users. The and M108-220-1T expansion kit provides expandable receiver distribution factory-tuned components, cabling, and hardware necessary for each additional channel.

> The M108-220-5TRDS and the M108 -220 -1T are pre-tuned at the factory and should not require in normal However, adjustments or frequency changes can be made from the front panel with proper test equipment and knowledge. The optional PM10C2S-1C Power Monitoring System provides RF power indication for each channel, and transmitter keying is also included with the PM10C2S-1C.



SPECIFICATIONS	
Channels	5 channels into one antenna
Impedance	50 ohms
Frequency range	220-222 MHz
Temperature	-30°C to +60°C
Insertion loss	3.0 dB typ at 150 KHz (determined by freq. spacing)
TX-to-TX isolation	85 dB or greater
2nd harmonic suppression	90 dB or greater
Transmitter power (max)	125 watts / channel
Rack dimensions (HWD) in. (cm)	72 x 19 x 22 (183 x 48.3 x 56)
Weight lb. (kg)	200 (90.8)

FEATURES

- 5 CHANNELS INTO ONE ANTENNA
- INTEGRATED DUPLEXER AND RECEIVER PRESELECTOR
- HIGH 80 dB ISOLATION FOR **CLOSE CHANNEL SPACING**
- TV CHANNEL 13 FILTERING
- 125 WATTS PER CHANNEL
- SIMPLIFIED MAINTENANCE
- OPTIONAL INTEGRATED POWER MONITORING