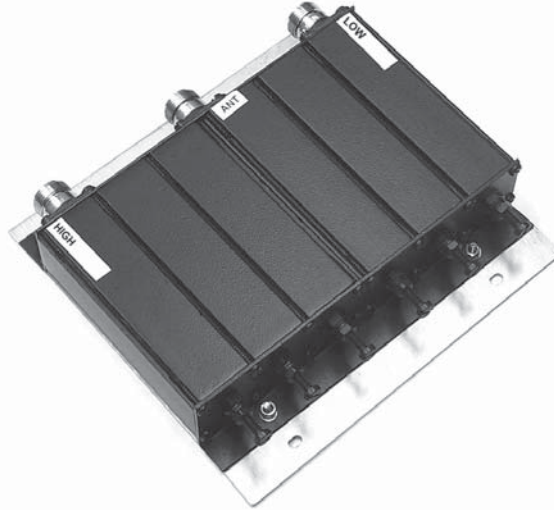


TMND-1516	148-157 MHz
TMND-1616	156-165 MHz
TMND-1716	164-174 MHz

## TMND-1516, 1616, 1716 VHF COMPACT DUPLEXERS

Telewave TMND-15/16/1716 Mobile Duplexers provide high performance in a compact design. These rugged duplexers are designed for use in base or mobile installations, with minimum space requirements.

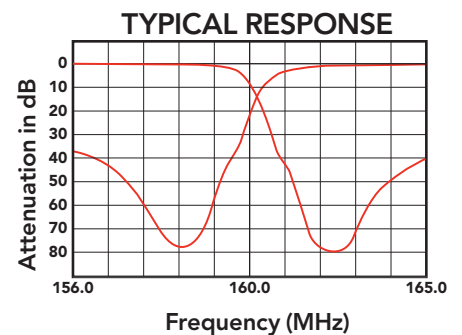
Each duplexer consists of six High "Q" helical resonators in a band-reject configuration. This compact design has no exposed interconnect cables. Field tuning can be performed with easily accessible tuning elements on the rear of the unit.



The TMND-15/16/1716 operate with at least 4 MHz TX to RX separation. This configuration provides 75 dB of isolation, and low insertion loss permits power handling up to 50 watts.

All duplexers are tuned and tested with customer-specified frequencies prior to shipping. When ordering, specify exact frequencies for transmit and receive.

ELECTRICAL SPECIFICATIONS	
Frequency range (MHz)	1516: 148-157 1716: 164-174 1616: 156-165
Frequency separation (min)	4 MHz
Maximum input power	50 watts
Impedance / VSWR (max)	50 ohms / 1.5:1
Insertion loss (TX/RX to-antenna)	1.4 dB
TX noise at RX (min)	75 dB
RX attenuation at TX (min)	75 dB
TX-RX Iso. at 4 MHz sep. (min)	75 dB
Temperature range	-20°C to +60°C
Resonators	(6) - 1"
MECHANICAL SPECIFICATIONS	
Dimensions (HWL) in. (cm)	1.4 x 4.5 x 6.9 (3.5 x 11.4 x 17.5)
Footprint (mounting plate) in. (cm)	6.1 x 8.5 (16 x 22)
Connectors	N Female
Finish	Black acrylic enamel
Net weight lb. (kg)	2.2 (1)
Shipping weight lb. (kg)	3.0 (1.4)



Appearance of current production models may vary from picture.