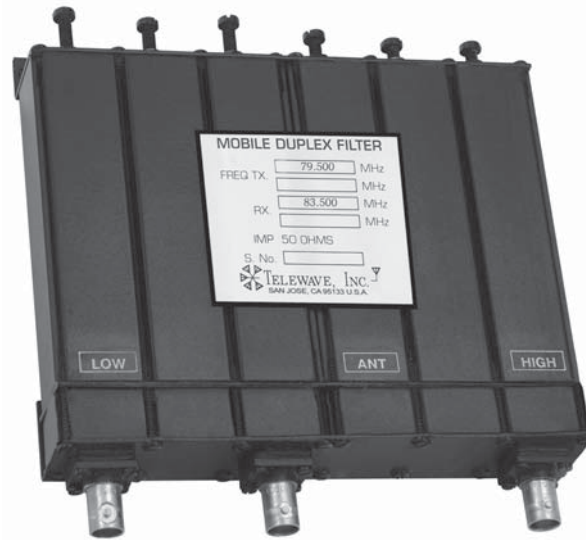


TMND-0716, 0816

MID-BAND COMPACT DUPLEXERS

Telewave TMND-0716/0816 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.

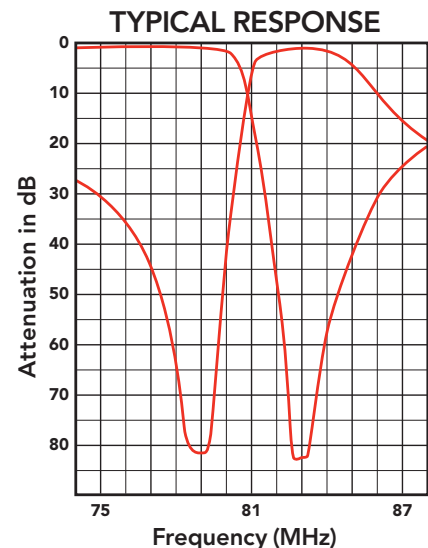
Each duplexer consists of six High "Q" helical resonators in a band-reject configuration. This compact design has no exposed interconnect cables. Field tuning can be performed with easily accessible tuning elements on the rear of the unit.



The TMND-0716 and 0816 are designed to 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 and connector type required (N or BNC).

ELECTRICAL SPECIFICATIONS	
Frequency range (MHz)	0716: 70-78 0816: 77-85
Frequency separation (min)	4 MHz
Maximum input power	50 watts
Impedance / VSWR (max)	50 ohms / 1.5:1
Insertion loss (TX/RX to-antenna)	1.2 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)	1.2 x 6.1 x 5.4 (3 x 15.5 x 13.7)
Connectors	N or BNC
Finish	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.