

TMND-8616

800 MHz COMPACT DUPLEXER

The Telewave.io TMND-8616 Compact Mobile Duplexer provides high performance in a compact design. This rugged duplexer is 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. Field tuning can be performed if needed with easily accessible tuning elements on the rear of the unit.

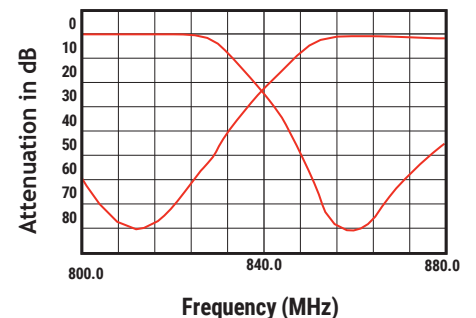
The TMND-8616 operates with typical 45 MHz TX to RX separation. This configuration provides 70 dB of isolation, and power handling up to 50 watts with low insertion loss.

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	806-869 MHz
Frequency separation (min / typ)	5 / 10 MHz (45 MHz for special order)
Maximum input power	50 watts
Impedance / VSWR (max)	50 ohms / 1.5:1
Insertion loss (TX/RX to-antenna)	1.0 dB
TX noise at RX (min)	70 dB
RX attenuation at TX (min)	70 dB
TX-RX Iso. at 5 MHz sep. (min)	70 dB
Temperature range	-20°C to +60°C
Resonators	(6) - 1"
MECHANICAL SPECIFICATIONS	
Dimensions (HWL) in. (cm)	1.25 x 6.0 x 6.5 (3.2 x 15.2 x 16.5)
Connectors	BNC Female or N Female
Finish	Black acrylic enamel
Net weight lb. (kg)	2.0 (0.9)
Shipping weight lb. (kg)	3.0 (1.4)

TYPICAL RESPONSE



Appearance of current production models may vary from picture.