



TMR4095/4096 SERIES 125 W ANTENNA COUPLERS

TMR4095 125 WATT

Part Number 798011-000-004

TMR4096 125 WATT NVIS

Part Number 798013-000-002

- Antenna Matching Capability
 - 9' and 16' Vehicular Whips
 - 23' to 150' Whips and Long Wire Base Station Antennas
 - Line Flattener for Broadband Antennas
- No Control Cable Required
- Sealed Construction
- Remote Capability - Up to 328 ft (100 m) Separation from Amplifier



TMR4095 Coupler Front View



TMR4095 Coupler Back View

GENERAL

Operation Frequency Range

- 1.5 to 30 MHz

Rated Input Power

- 125 W PEP and Avg

Antenna Matching Capability

- 10 ft (3 m) whip antennas above 1.8 MHz
- 13 ft (4 m) whip antennas above 1.7 MHz
- 23 ft (7 m) whip antennas 1.5 to 30 MHz
- Wire Antennas up to 150 ft (45 m)
- Broadband dipoles and NVIS antennas (use as a line flattener)

Tuning Time

- Less than 5 ms from memory
- 300 ms typical, 600 ms maximum RF tune

Tune Power Required

- 4 W minimum
- Power Input Requirement: 22 to 30 VDC supplied through coaxial cable from amplifier

Tuning Accuracy

- 1.5:1 VSWR or better

Remote Capability

- Up to 200 ft (60 m) separation from transmitter with RG-213
- Up to 328 ft (100 m) with RG-218

ENVIRONMENTAL/PHYSICAL

Temperature

- Operation: -30°C to +55°C
- Storage: -40°C to +85°C

Humidity

- MIL-STD-810E, Method 506.2 and 507.2

Immersion

- MIL-STD-810E, Method 512.2

Vibration

- MIL-STD-810E, Method 514.3

Shock

- MIL-STD-810E, Method 516.3

Size (H x W x D)

- 8 x 7 x 14 in (203 x 178 x 356 mm)

Weight

- 16.5 lbs (7.5 Kg)



NVIS Antenna with TMR4096 Coupler