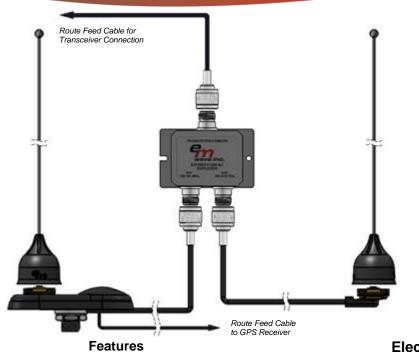


New Product Data Sheet



EM-MBD41003

Dual Band Duplexed Antenna Kit w/GPS 108-174 MHz / 380-870 MHz

Kit Includes (no substitutions[†]):

- Duplexer (VHF/UHF-870 MHz) >
- N (m) Connectors (3 ea.)
- Low Loss 195 NMO Cable (1 ea.) \geq
- \triangleright EM-MG11006-SP NMO/GPS (1 ea.)
- \triangleright Field Tunable Antennas
 - EM-MX0108-FT (2 ea.)
- RG-58/U Feed Cable (1 ea.)
- Installation Instructions \geq

Transceiver Feed Cable Connector sold separately [†]Antenna Upgrades sold separately

Electrical Specifications

Frequency Band (VHF)	100-180 MHz
Frequency Band (UHF)	380-870 MHz
VSWR (All Ports)	≤1.6:1
Impedance	50Ω
Isolation (VHF↔UHF-870)	≥50 dB
Insertion Loss	≤0.2 dB (100-180 MHz)
	≤0.3 dB (380-520 MHz)
	≤0.5 dB (746-870 MHz)
Power Rating	150W (100-180 MHz)
	100W (380-520 MHz)
	75W (746-870 MHz)
Temperature, Operating	-40° to 85° C
Maal	

Mechanical Specifications

Dimensions (Duplexer)	3.27 x 2.1 x 1.1 in. (83 x 53 x 28mm)
Connectors (All)	Туре N
Feed/NMO Cable Length	17 ft. (5.1m) each
Duplexer Mounting	Interior Only, #8 PHMS (2 ea. sold separately)
Antenna Mounting	3/4 in. Thru-Hole NMO Mounts
Antenna Height /Type	Frequency Adjustable/Field Tunable 1/4 Wave

Combination Mount included for VHF/GPS band antenna installation.

[‡]Reference Model EM-MG11006-SP for GPS Performance Specifications.

ELECTRO-MAGWAVE, INC.

6111 Carey Drive, Unit #1, Valley View, Ohio 44125 t 216-453-1160 f 216-447-8828 www.emwaveinc.com

requirements for: Frequency Power Rating

Bandwidth 0 VSWR 0

insertion loss.

Gain 0

0

Upgrades/ Interchangeability –

Optimal in-band performance with

· Expandable from Dual Band to full

· Scalable to meet system performance

Tri-Band coverage for ALL

LMR/Public Safety Bands.

VHF through 870 MHz.

precision 50 ohm impedance and low

Accommodates user/installer preference for $\frac{1}{4}$ wave. $\frac{1}{2}$ wave. **Dual Element Collinear and GPI** antennas without compromising required system gain.

[‡]Model EM-MG11006-SP NMO/GPS