



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



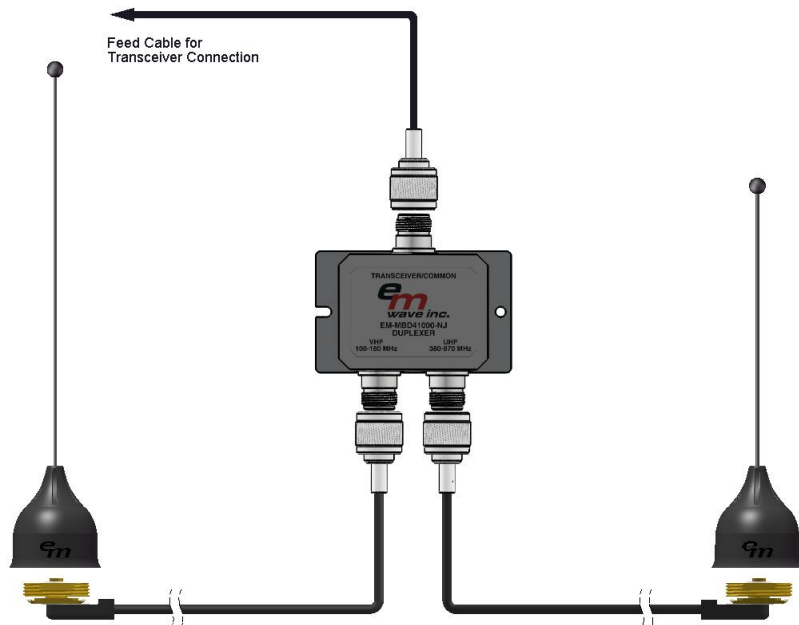
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## EM-MBD41002 Dual Band Duplexed Antenna Kit 108-174 MHz / 380-870 MHz

### Kit Includes:

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

*Transceiver Feed Cable Connector (sold separately)*

### Features

- Optimal in-band performance with precision 50 ohm impedance and low insertion loss.
- Expandable from Dual Band to full Tri-Band coverage for **ALL** LMR/Public Safety Bands, VHF through 870 MHz.
- Scalable to meet system performance requirements for:
  - Frequency
  - Bandwidth
  - VSWR
  - Gain
- Antenna Interchangeability –
  - Accommodates user/installer preference for ¼ wave, ½ wave, Dual Element Collinear and GPI antennas without compromising required system gain.
- GPS Kits available (See available models not listed).

### 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

### Mechanical Specifications

Dimensions (Duplexer)	3.27 x 2.1 x 1.1 in. (83 x 53 x 28mm)
Connectors (All)	Type N
Feed/NMO Cable Length	17 ft. (5.1m) each
Duplexer Mounting	Interior Only, #8 PHMS (2 ea. sold separately)
Antenna Mounting	¾ in. Thru-Hole NMO Mounts
Antenna Height /Type	Frequency Adjustable/Field Tunable ¼ Wave