



RM5 Body Mount Antenna (19 mm mount)

5 dBi Body Mount Antenna for PCS/GPRS or 2.4 GHz WLAN/ISM

- Mounts easily to roof, trunk or bulkhead
- 5 dBi omnidirectional configuration
- Rugged construction, mounts using high efficiency 3/4" NMO style mount (19 mm)
- "O" ring seal provides watertight use

This new antenna provides a higher gain alternative to our lower profile body mount antenna. Using a collinear configuration, it provides 5 dBi gain and is easy to install. When additional performance is needed, this high gain antenna is an excellent solution.

Models are available for either 1.9 GHz PCS/GPRS or for 2.4 GHz 802.11 b/g. The design uses a 3/4" NMO style mount (19 mm) for securing to the vehicle. The NMO mount/cable assembly is supplied. The antenna is ground plane dependent, and must be attached to a metal surface.

The antennas are outfitted with 15 feet (4.5 meters) of RF-195 cable & TNC, SMA or N male connectors. Other connectors can be supplied where required. The connectors are supplied loose, and would be attached after installation. A crimp tool with appropriate hex die would be required. Upon request, connectors can be pre-installed at the factory. N connectors are normally supplied loose to ease cable routing/field installation.

The antenna has a .304 stainless steel whip, which offers

some flexibility. The base assembly uses an ABS collar with a chrome plated brass base. The bottom base is outfitted with a captured "O" ring for complete sealing.

The 3/4" mounting assembly (19 mm) has a tilt-able assembly that is installed from the top side of the vehicle. An exterior lock ring secures the assembly from the top. The antenna then simply screws onto the mount. The antenna can be removed for overhead obstructions.

Model Number

Model	Description
RM5-2400T	2.4 GHz with Mount/Cable & Male TNC
RM5-2400N	2.4 GHz with Mount/Cable & Male N
RM5-2400S	2.4 GHz with Mount/Cable & Male SMA
RM5-1900T	1.9 GHz with Mount/Cable & Male TNC
RM5-1900N	1.9 GHz with Mount/Cable & Male N
RM5-1900S	1.9 GHz with Mount/Cable & Male SMA

Note: Crimp style connector supplied loose unless requested otherwise. Special connectors available upon request.

Specifications

Frequency:

802.11 b/g Model 2400-2485 MHz
 PCS/GPRS model 1850-1990 MHz

Gain: 5 dBi max

VSWR: 2:1 max over range

Operating Temp: -40° to +85° C

Nominal Impedance: 50 ohms

Maximum Power: 10 watts

Mounting: 3/4" NMO Style (19mm),
 hole mount, NMO supplied

Whip Material: 302 Stainless Steel

RM5-2400 Length: 5" H (127 mm)

RM5-1900 Length: 7.75"H (196 mm)

Base Material: ABS plastic, with chrome plated
 brass base assembly

Cable: 15 feet (4.5 meters) RF-195, exits
 sideways at bottom of mount

Connector: See above, crimp style (loose)

Other connectors or configurations may be
 available upon request, consult factory