

Wide Base Magnetic Mount Antennas

These magnetic mount antennas are ideal for temporary installations where quick antenna removal may be needed. All models provide coverage of their specific frequencies without the need for tuning.

Features

- Wideband design: cover all specified frequencies without tuning
- Magnetic base for quick removal. Ideal for test equipment applications.
- Protective surface prevents scratches on the vehicle's surface
- Patented whip design - special phasing coil achieves in-phase signal transmission and reception using two collinear elements at both frequencies (ASPRDM1994 models)
- Cable/connector is fully integrated to the antenna for simple installation and maximum mobility

Antenna Electrical Specifications

Model	Frequency Range	Gain
ASPA1894B	806-869 MHz	3 dB
ASPRDM1994M	824-894/1850-1990 MHz	3 dB/3 dB
ASPRDM1994S	824-894/1850-1990 MHz	3 dB/3 dB
ASPRDM1994T	824-894/1850-1990 MHz	3 dB/3 dB
ASPRDM1994U	824-894/1850-1990 MHz	3 dB/3 dB
ASPRDM1994PC	824-894/1850-1990 MHz	3 dB/3 dB
MDBM800/1900	824-896/1850-1990 MHz	2 dBi/2 dBi
MDBM824/1850	824-896/1850-1990 MHz	2 dBi/4 dBi

Mechanical Specifications

Model	Connector	Antenna Height	Coax Cable (Built-in)
ASPA1894B	BNC male	Approx 14"	12 ft PRO-FLEX™ Plus 195
ASPRDM1994M	Mini-UHF male	14.1"	15 ft PRO-FLEX™ PLUS 195, A/U
ASPRDM1994S	SMA male	14.1"	15 ft PRO-FLEX™ PLUS 195, A/U
ASPRDM1994T	TNC male	14.1"	15 ft PRO-FLEX™ PLUS 195, A/U
ASPRDM1994U	SAP	14.1"	15 ft PRO-FLEX™ PLUS 195, A/U
ASPRDM1994PC	SAP with Mini-UHF and TNC adapter	14.1"	15 ft PRO-FLEX™ PLUS 195, A/U
MDBM800/1900	Available with SMA, TNC or Mini-UHF(male)	14.37"	13' RG-58/U
MDBM824/1850	Available with SMA or TNC (male)	10.5"	14 ft PRO-FLEX™ PLUS 195



Technical Data

Maximum Power: 10 watts
Polarization: Vertical
Nominal Impedance: 50 ohms
VSWR: 2.0 across the band (ASPRDM models and MDBM800/1900) <1.9:1 (ASPA1894B) <2.5:1 (MDBM800/1900) <1.5:1 across each band (MDBM824/1850)
Radiator Material: Stainless steel, black chrome plated
Antenna Base: Molded high strength plastic
Mounting Base: Black coated stainless steel
Boot: Rubber
Mounting Force: 105.8 ounces minimum (MDBM800/1900) 300 ounces minimum (MDBM824/1850)
Mount Method: Built-in magnetic base

For detailed specifications, visit <http://antenna.pctel.com>.