

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 |
|--------------|-----------------------|-------------|
| 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) |
|--------------|--------------------------------------|----------------|-------------------------------|
| 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 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

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| 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 |