

PRELIMINARY

Wideband UHF/SHF Magnetic Mount Antenna

WB525W

The WB525W is a compact, low-profile magnetic mount antenna for applications where a quick setup and removal of the antenna is required or where a permanent installation of the antenna on a vehicle is not possible.

- Ideal operation in the UHF/SHF bands up to 6 GHz
- High performance, 200 W at 100% duty cycle
- Compact magnetic mount for easy-to-setup temporary installations



| Product details* | |
|-------------------|---|
| Frequency range | 800 - 6000 MHz (without a ground plane) 500 – 6000 MHz on a ground plane ($\geq 0.5 \times 0.5 \text{ m}^2$) |
| Polarization | Nominally vertical |
| Radiation pattern | Omnidirectional |
| Gain | Measured patterns on request |
| VSWR | ≤ 3.0 |
| Nominal Impedance | 50 Ω |
| Power rating (CW) | 500-2500 MHz: 200 W 2500-4000 MHz: 160 W 4000-6000 MHz: 130 W |
| Standard color | Black |
| Radiator | Radome protected |
| Footprint | $\varnothing 88 \text{ mm}$ |
| Height | 141 mm |
| Weight | 0.9 kg |

| Installation* | |
|--------------------|--|
| RF connection | Female N-type |
| Mounting | $\varnothing 88 \text{ mm}$ magnet (vertical holding force typically 280 N when mounted on 0.8 mm steel sheet) |
| Surface protection | Rubber coating |

*Specific adjustments on request

| Order number | |
|--------------|----------------------------|
| WB525W | Antenna as described above |

Safety Warning: Great care should be taken when handling strong magnetic products. Magnetic mounts may cause painful pinching injuries. When using a magnetically mounted device on a moving vehicle the device may lift off from the vehicle even at moderate speeds in case of collision. Therefore a secondary retention system should always be used to prevent unintentional detachment or loss of the device (the properly tightened feeder cable could possibly be used for this purpose). For maximum grip the surface of the vehicle and the bottom of the magnet should be dry and clean of dirt, snow and ice prior to attaching the device.

V0.3w
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