

Wideband UHF/SHF Magnetic Mount Antenna

WB480W

The WB480W is an extremely wideband and compact magnetic mount antenna of low profile that supports multiple applications. The antenna is ideally suited for applications where a quick setup and removal 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 8 GHz
- High performance, 200 W at 100% duty cycle
- Compact magnetic mount for easy-to-setup temporary installations

Product details*	
Frequency range	420 – 8000 MHz on a ground plane ($\geq 0.5 \times 0.5 \text{ m}^2$)
Polarization	Nominally vertical
Radiation pattern	Omnidirectional (typ. $\pm 1.5 \text{ dB}$ ripple)
Gain	(Measured patterns on request)
VSWR	≤ 3.0
Nominal Impedance	50 Ω
Power rating (CW)	420-2500 MHz: 200 W 2500-4000 MHz: 160 W 4000-6000 MHz: 130 W 6000-8000 MHz: 60 W
Standard color	Black
Radiator	Radome protected
Footprint	$\varnothing 88 \text{ mm}$
Height	142 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	
WB480W	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.

V0.1w
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