

VHF Band Magnetic Mount Antenna

WB30175W

The WB30175W is a 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.

- Excellent performance over wide bandwidth
- Compact magnetic mount for easy-to-setup temporary installations



Product details*	
Frequency range	30 – 175 MHz
Matching	Passive
Polarization	Nominally vertical
Antenna type	Monopole, ground plane required
Radiation pattern	Omnidirectional
Gain	(See typical patterns on Page 2)
VSWR	≤ 3.5
Nominal Impedance	50 Ω
Power rating	50 W (RMS)
Standard color	Black
Radiator	Steel whip with shock absorption spring
Footprint	Ø 88 mm
Height	1520 mm
Weight	0.95 kg

Installation*	
RF connection	Female N-Type connector
Mounting	Ø 88 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	NSN	Product
WB30175W	5985-58-000-3183	Antenna as described above
WB30175W-R1	-	WB30175W with a radiator that can be split into two parts for transportation
WB30175-SC1	-	WB30175W with additional wire loop (Ø ~5 cm) attached to antenna base for safety tether connection

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.