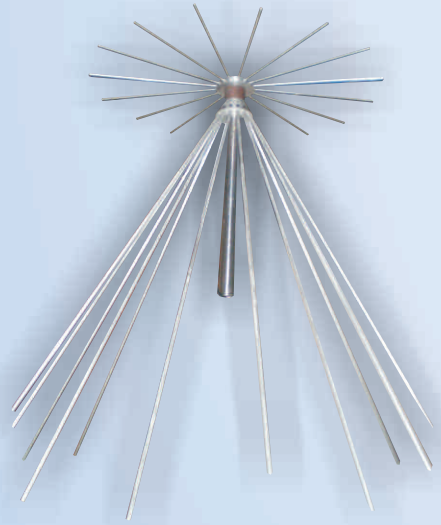


Wideband Omni-Directional

Antenna 20 – 500 MHz

Product Code: OMNI-BE-046

**TECHNICAL
Bulletin**



Product Description

This is the upgraded version of the well-known OMNI-BE-046 high-power omni-directional jamming antenna. The frequency range covered is 20 MHz to 500 MHz with a VSWR of less than 2.5:1 with the whips attached. The whips improve the performance in the 20 MHz to 50 MHz band. The antenna's profile can be reduced by removing the tactical whips where required.

Features

- Wideband
- Omni-directional azimuth pattern
- High-power handling
- Optimized distributed loading is used to prevent elevation radiation pattern break up
- Waterproof
- Quick assembly
- Vehicle or shelter mountable

Specification

Electrical:

Frequency range :	20 – 500 MHz
VSWR (with whips) :	< 2.5:1
VSWR (without whips) :	< 3.5:1 above 40 MHz
Feed power handling :	1.2 kW CW
Nominal input impedance :	50 Ω
Connector :	7/16 female
Gain :	> -6 dBi across 90% of the band
Polarisation :	Vertical

Mechanical:

Dimensions (height x diameter) :	2454 mm x 1790 mm
Weight :	18 kg
Material :	Aluminum and stainless steel

Environmental:

Wind survival :	160 km/h calculated
Salt fog :	MIL-STD-810F method 509.4
Mechanical shock :	MIL-STD-810F method 516.5 table 516.5-1 procedure 1, 40 G for 15 – 23 ms.
Operational vibration :	MIL-STD-810F method 514.5 table 514.5-1 (Operational ground vehicles) figure 514.5C-1 (Highway truck vibration).
Operating temperature :	-30 °C to +50 °C
Storage temperature :	-30 °C to +70 °C