

# Wideband Omni-Directional Antenna

20 – 100 MHz

Product Code: OMNI-A0280

VERSION: 1.2

## SPECIFICATIONS



<b>Electrical:</b>	
Frequency range	20 – 100 MHz
VSWR	< 2.5:1
Feed power handling	3 kW CW
Nominal input impedance	50 Ω
Connector	7/16 female
Gain	> -6 dBi
Polarisation	Vertical
<b>Mechanical:</b>	
Dimensions (h x d)	2454 mm x 1790 mm
Weight	18 kg
Material	Aluminium and stainless steel
<b>Environmental: designed to meet the following specifications</b>	
Wind survival	160 km/h calculated
Salt fog	Designed to MIL-STD-810F method 509.4
Mechanical shock	Designed to MIL-STD-810F method 516.5 table 516.5-1 procedure 1, 40 G for 15 – 23 ms.
Operational vibration	Designed to MIL-STD-810F method 514.5 table 514.5-1 (Operational ground vehicles) figure 514.5C-1 (Highway truck vibration).

## PRODUCT DESCRIPTION:

The OMNI-A0280 is a high-power omni-directional antenna. The frequency range covered is 20 MHz to 100 MHz with a VSWR of less than 2.5:1.

## ELECTRICAL FEATURES:

- Wideband
- Omni-directional azimuth pattern
- High-power handling

## MECHANICAL FEATURES:

- Spring loaded elements
- Waterproof
- Quick assembly
- Vehicle or shelter mountable