

High-Power Omni Antenna

500 – 1000 MHz

Product Code: MONO-A0078

VERSION: 1.1



SPECIFICATIONS:

Electrical:	
Frequency range	500 – 1000 MHz
VSWR	< 2:1
Nominal input impedance	50 Ω
Radiation pattern	Monopole, omni-directional
Connector	7/16 female
Feed power handling	1.5 kW at 500 MHz; 1 kW at 1000 MHz
Gain on horizon	2 dBi typical, depending on groundplane
Polarisation	Linear
Mechanical:	
Dimensions (d x h)	205 mm x 160 mm
Total mass	1 kg
Mounting method	Four M8 bolts on 170 mm PCD
Groundplane requirement	Flat on vehicle top, 1 m ² clear area
Environmental: designed to meet the following specifications	
Wind survival on vehicle	160 km/h
Temperature range	-10 °C to +55 °C
Water and dust resistance	IP 67

PRODUCT FEATURES:

- Wide bandwidth covered in a single antenna
- Low VSWR, high gain over the band
- Passive construction
- Full-gain antenna, no lossy components used for matching

APPLICATIONS:

- Wideband monitoring
- High-power applications

PRODUCT DESCRIPTION:

The MONO-A0078 wideband high-power transmit antenna is designed for full-coverage high-power applications from 500 to 1000 MHz. Housed in a small, rugged radome, the antenna is mounted on a vehicle roof or elevated groundplane.

The antenna element inside has excellent gain and VSWR over the full-band. No lossy matching network is used, the antenna structure is designed to work over the full frequency range, giving maximum radiation, and allowing high transmitter powers to be used.

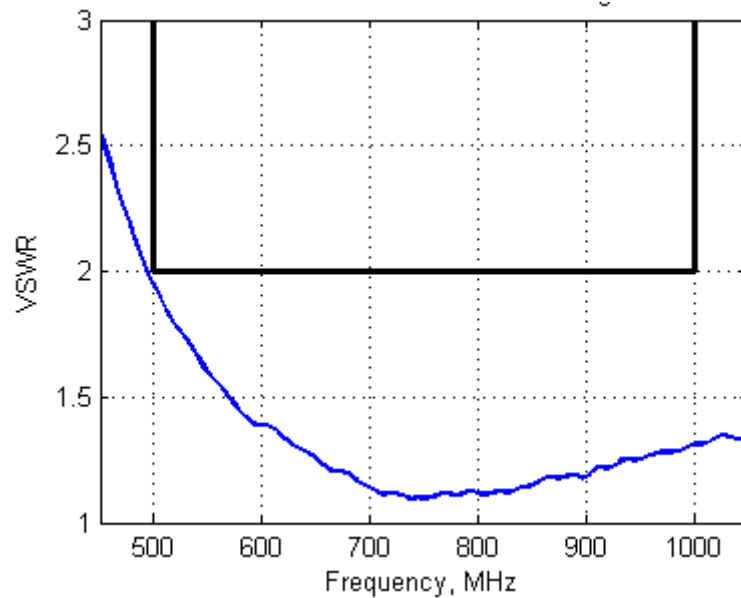
High-Power Omni Antenna

500 – 1000 MHz

Product Code: MONO-A0078

VERSION: 1.1

Measured VSWR:



Measured gain:

