

High-Power OMNI Antenna

960 – 1200 MHz

Product Code: OMNI-A0183

VERSION: 1.1

SPECIFICATIONS:

Product code:	
OMNI-A0184-01	TNC (F) connector
OMNI-A0184-02	N – Type (F) connector
Electrical:	
Frequency range	960 – 1200 MHz
VSWR	< 3:1
Nominal input impedance	50 Ω
Gain on horizon	8 dBi typical
Elevation 3 dB beamwidth	15° ± 10°
Azimuth 3 dB beamwidth	360°
Polarisation	Vertical
MTBF	20,000 hrs
Feed power handling	50 W
Mechanical:	
Dimensions (L x D)	1500 mm x 50 mm
Material	Aluminium, stainless steel, fibreglass
Total mass	< 3 kg
Mounting	NATO base flange, 4 and 6 holes
Environmental:	
Wind survival on mast	160 km/h (calculated)
Temperature range	- 20 °C to + 70 °C



PRODUCT FEATURES:

- Low VSWR
- High gain over the frequency band
- High feed power handling, 50 W
- Vertical polarisation
- Rugged construction

PRODUCT APPLICATIONS:

- High-powered communication
- High-power jamming

PRODUCT DESCRIPTION:

The OMNI-A0183 is a high-powered antenna that operates over the 960 to 1200 MHz frequency band with a VSWR of less than 3:1. The antenna has an excellent radiation pattern and a consistently low VSWR across the entire frequency band. It can handle full rated power continuously at all frequencies, making it ideal for all 100% duty-cycle applications.

The antenna consists of a dipole array which makes it ground plane independent.



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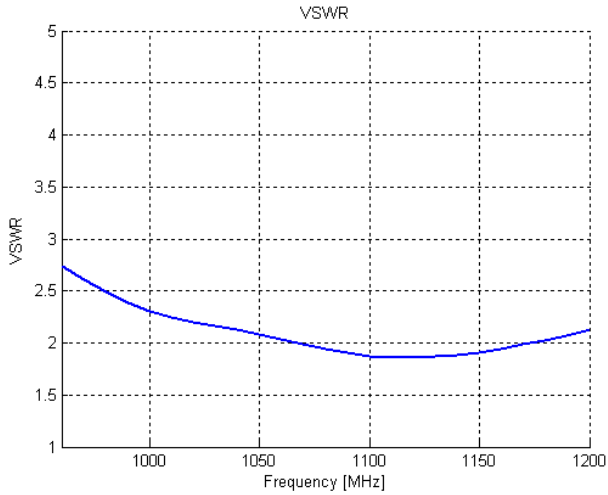
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VSWR AND GAIN GRAPHS:

VSWR



GAIN

