

# High-Power Omni-Directional Antenna

2 – 6 GHz

Product Code: OMNI-A0282

VERSION: 1.5



## SPECIFICATIONS:

<b>Product Code:</b>	
OMNI-A0282	Standard version
OMNI-A0282-01	Standard version with DC short
<b>Electrical:</b>	
Frequency range	2 – 6 GHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Feed power handling	
2000 – 4000 MHz	100 W CW
4000 – 6000 MHz	80 W CW
Gain (free space)	See graph
Polarisation	Vertical
Connector	N-type female
<b>Mechanical:</b>	
Dimensions (l x d of antenna)	400 mm x 40 mm
Base diameter	135 mm
Material	Aluminium, stainless steel, Fibreglass
Total mass	700 g
Mounting	4-hole and 6-hole NATO
<b>Environmental: designed to meet the following specifications</b>	
Wind survival	160 km/h
Temperature range	- 30 °C to + 65 °C (no icing)
Water and dust resistance	MIL-STD-820F (506.4)
Corrosion	Appropriate anti-corrosion measures are taken in the design of antenna for harsh environmental conditions.

## PRODUCT DESCRIPTION:

The OMNI-A0282 omni-directional dipole antenna is primarily designed for high-power applications. It covers a frequency band of 2 to 6 GHz with an average gain of 1 dBi.

## PRODUCT FEATURES:

- Wideband frequency 2 to 6 GHz
- VSWR < 2.5:1
- Omni-directional
- High power handling
- Rugged construction

## PRODUCT APPLICATIONS:

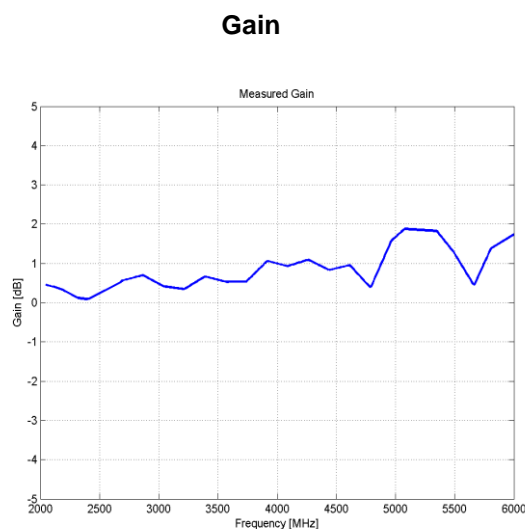
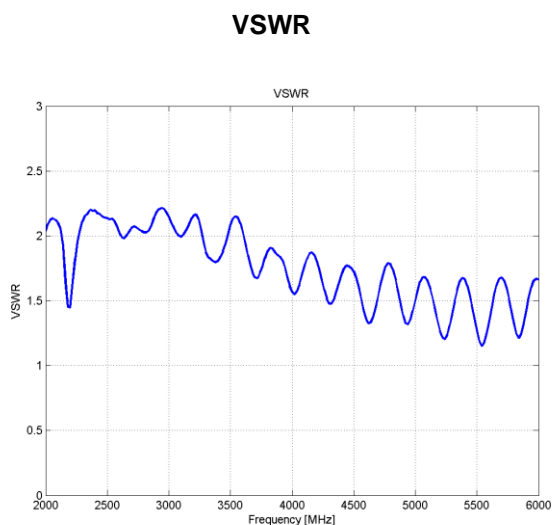
- Wideband high-power

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## Normalised radiation pattern

