

Wideband Dual-Polarised Omni Antenna

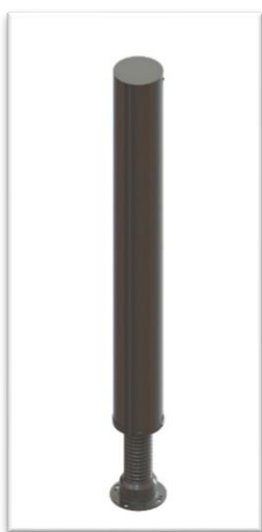
1350 – 2700 MHz

VERSION: 1.2

Product Code: OMNI-A0378



OMNI-A0378



OMNI-A0378-02

PRODUCT FEATURES:

- Collinear design gives improved gain
- Low VSWR across the band
- Rugged and lightweight

APPLICATIONS:

- Communications
- Monitoring

SPECIFICATIONS:

Product codes:	
OMNI-A0378	MIMO antenna with mast mounting bracket
OMNI-A0378-01	MIMO antenna without bracket
OMNI-A0378-02	MIMO antenna with spring base
Electrical:	
Frequency range	1350 – 2700 MHz
VSWR	< 2.5:1
Gain	> 3.5 dBi (typical)
Azimuth ripple	± 1.5 dB
Port-port isolation	> 30 dB
Feed power handling	10 W CW
Polarisation	Horizontal and vertical
Nominal input impedance	50 Ω
Connectors	2 x N-type female
Groundplane requirements	Groundplane independent
Mechanical:	
Dimensions:	
OMNI-A0378	Ø152.4 mm x 840.6 mm (without bracket)
OMNI-A0378-01	Ø152.4 mm x 840.6 mm
OMNI-A0378-02	Ø152.4 mm x 990.6 mm
Total mass:	
OMNI-A0378	< 2.5 kg (without bracket)
OMNI-A0378-01	< 2.5 kg
OMNI-A0378-02	< 4.5 kg
Mounting method	Various
Environmental: designed to meet the following specifications	
Wind survival	Designed to withstand 160 km/h
Temperature range	Designed to withstand -30 °C to +70°C
Ingress protection	IP65

PRODUCT DESCRIPTION:

The OMNI-A0378 is a 1.35 to 2.7 GHz dual-polarised omni-directional NATO Band III+ antenna. The OMNI-A0378 is wideband and offers high-gain performance.

The antenna utilises two collinear dipole arrays with groundplane independent radiators and an integrated balun, making it suitable for use on a mast.

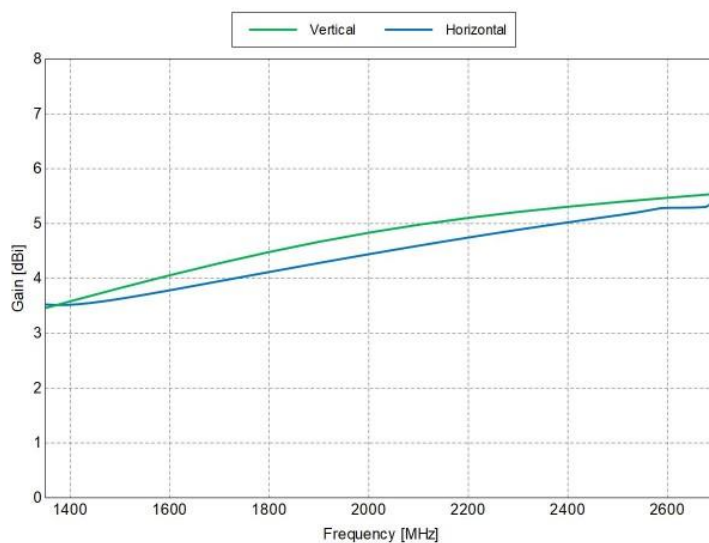
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ESTIMATED GAIN:



ESTIMATED NORMALIZED RADIATION PATTERNS:

VP:

HP:

