



OMNI-A0109-02



OMNI-A0109-03

**SPECIFICATIONS:**

<b>Product code:</b>	
OMNI-A0109-01	N-type (M) connector
OMNI-A0109-02	TNC (M) connector
OMNI-A0109-03	TNC (M) connector, spring loaded
OMNI-A0109-04	N-type (M) connector, spring loaded
<b>Electrical:</b>	
Frequency range	1150 – 1400 MHz
VSWR	< 2:1
Nominal input impedance	50 Ω
Feed power handling	20 W
Gain (typical)	4 – 5 dBi
Gain (minimum)	3.5 dBi
Elevation 3 dB beamwidth	35 – 55°
Polarisation	Vertical
Azimuth ripple	±1 dB
<b>Mechanical:</b>	
Height	< 350 mm
Radome Diameter	22 mm
Total mass	120 g
Colour	Black
Mounting method	Connector
Groundplane requirement	Groundplane independent
<b>Mechanical (OMNI-A0109-03/04):</b>	
Height	< 420 mm
Diameter	< 25 mm
Total mass	200 g
<b>Environmental: designed to meet the following specifications</b>	
Wind survival	100 km/h
Temperature (operational)	-31 °C to +51 °C
Temperature (storage)	-31 °C to +71 °C
Water and dust resistance	IP65

**PRODUCT FEATURES:**

- Collinear design gives better gain than dipole and monopole antennas
- Low VSWR across the band
- Rugged and lightweight

**APPLICATIONS:**

- Communications
- Monitoring

**PRODUCT DESCRIPTION:**

1.15 to 1.4 GHz omni-directional collinear antenna with groundplane independent radiator and wideband, high-gain performance.

The OMNI-A0109 utilises a collinear dipole array radiator with integrated balun, making it groundplane independent and suitable for use on any mounting platform, such as manpacks and mobile electronic devices.

# High Gain L-Band Omni

1.15 – 1.4 GHz

Product Code: OMNI-A0109

VERSION: 3.3

## ELECTRICAL PERFORMANCE CURVES:

