


SPECIFICATIONS:

Product code:	
OMNI-A0135	TNC (M) connector
OMNI-A0135-01	N-type (M) connector
Electrical:	
Frequency range	1600 – 1900 MHz
VSWR	< 2:1
Nominal input impedance	50 Ω
Feed power handling	20 W
Gain (typical)	4 – 5 dBi
Polarisation	Vertical
Azimuth ripple	± 1 dB
Mechanical:	
Height	340 mm
Diameter	22 mm
Total mass	100 g
Colour	Black
Mounting method	Direct to connector
Groundplane requirement	Groundplane independent
Environmental: designed to meet the following specifications	
Wind survival	100 km/h
Temperature (operational)	-31 °C to +51 °C
Temperature (storage)	-31 °C to +71 °C
Water and dust resistance	MIL-STD-820F (506.4)

PRODUCT DESCRIPTION:

The OMNI-A0135 is a wideband, high-gain omni-directional antenna for use in the 1.6 to 1.9 GHz upper L-band frequency range at power levels up to 20 W. The antenna 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.

PRODUCT FEATURES:

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

APPLICATIONS:

- Communications

High Gain L-band Omni

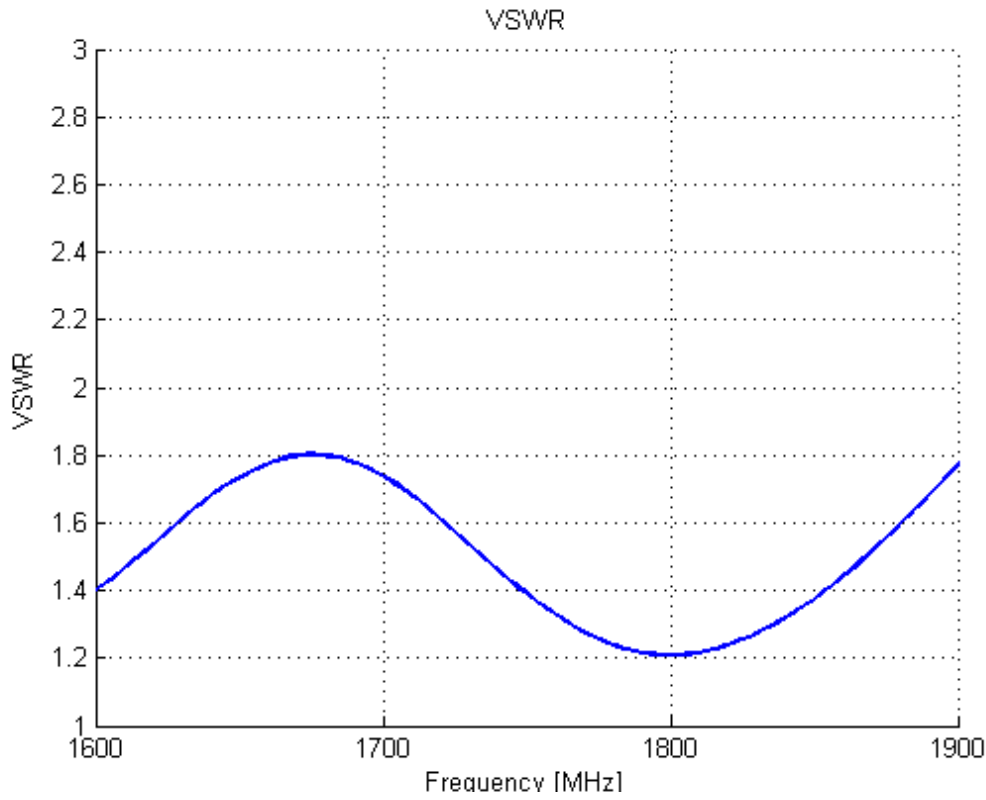
1.6 – 1.9 GHz

Product Code: OMNI-A0135

VERSION: 1.7

VSWR AND GAIN GRAPHS:

VSWR:



GAIN:

