



SPECIFICATIONS:

Electrical:	
Frequency range	310 – 450 MHz
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Connector	N-type male
Feed power handling	50 W
Gain	1 ± 1 dBi
E-plane 3 dB beamwidth	60° ± 10°
H-plane 3 dB beamwidth	360°
Polarisation	Vertical
Mechanical:	
Dimensions (l x d)	555 mm x 33 mm
Weight	360 g
Mounting method	N-type male connector
Environmental:	
Wind survival	100 km/h
Temperature (operational)	- 20 °C to +70 °C
Water ingress rating	IP65 (NEMA 4X)

PRODUCT FEATURES:

- 50 W continuous power handling
- Wide frequency band
- Self-contained balanced antenna, no ground-plane required
- Spring-mounted whip ideal for man-pack applications
- Omni-directional H-plane (azimuth) pattern
- Waterproof to IP65

APPLICATIONS:

- Communications for manpack radios

PRODUCT DESCRIPTION:

The OMNI-A0126 is a tactical wideband UHF antenna that has been designed for transmitters used for communications in this range. This antenna incorporates a spring which allows it to bend up to 70 degrees as the wearer moves through doorways or under obstacles.

The OMNI-A0126 has an omni-directional azimuth pattern with a low level of ripple to ensure all-round protection and an elevation pattern that shows no pattern break-up. This antenna is rated for 50 W indefinite continuous duty power handling.

The OMNI-A0126 is lightweight yet immensely durable and is ideally suited to urban battlefield conditions be it on a man portable device or a vehicle mountable device.



Manpack UHF antenna

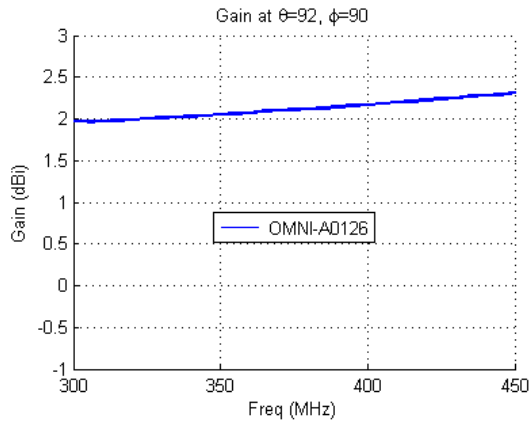
310 – 450 MHz

Product Code: OMNI-A0126

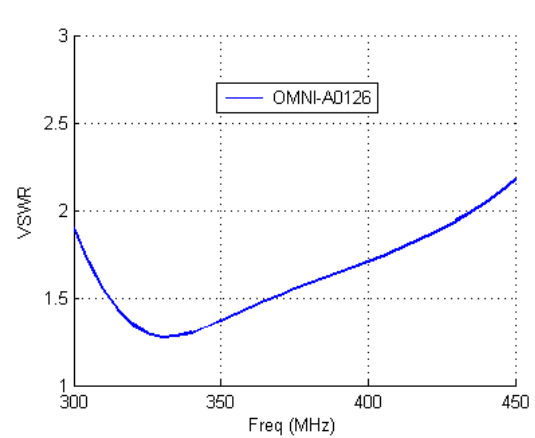
VERSION: 1.2

PRODUCT GRAPHS:

GAIN (dBi in free space)



VSWR (typical)



RADIATION PATTERNS (elevation)

