

High-Powered Antenna

100 – 6000 MHz

Product Code : OMNI-A0385

SPECIFICATIONS:



Product versions:	
OMNI-A0385	N-type female
OMNI-A0385-03	4.3-10 female
Electrical:	
Frequency:	
Band A	100 – 500 MHz
Band B	500 – 6000 MHz
Band C	500 – 6000 MHz
Band D	500 – 6000 MHz
VSWR:	
Band A	< 3:1
Band B	< 2.5:1
Band C	< 2.5:1
Band D	< 2.5:1
Nominal input impedance	50 Ω
Connector	
OMNI-A0385	N-type female at base
OMNI-A0385-03	4.3-10 female at base
Power:	
Band A	150 W
Band B	80 W @ 6GHz
Band C	80 W @ 6GHz
Band D	80 W @ 6GHz
Polarisation	Vertical
Pattern	Omni-directional
Gain	See graphs
Groundplane requirements	Required (1500mm x 1500mm recommended)
Mechanical:	
Base (d x h)	140 mm x 1700 mm
Radiator diameter	< 86 mm
Weight	< 9 kg
Environmental: designed to meet the following specifications	
Wind survival	130 km/h
Temperature range	- 30 °C to +70 °C
Water ingress rating	IP65

PRODUCT FEATURES:

- 100 to 6000 MHz frequency range
- Rugged
- Suited for vehicle-mount applications

APPLICATION:

- High-power applications

PRODUCT DESCRIPTION:

The OMNI-A0385 is a high-powered antenna designed for vehicle applications in the 100 to 6000 MHz frequency band. The antenna provides three concurrent 500 to 6000 MHz channels.

The radome is equipped with spring mounting to allow whip-action and resistance to impacts and obstructions.

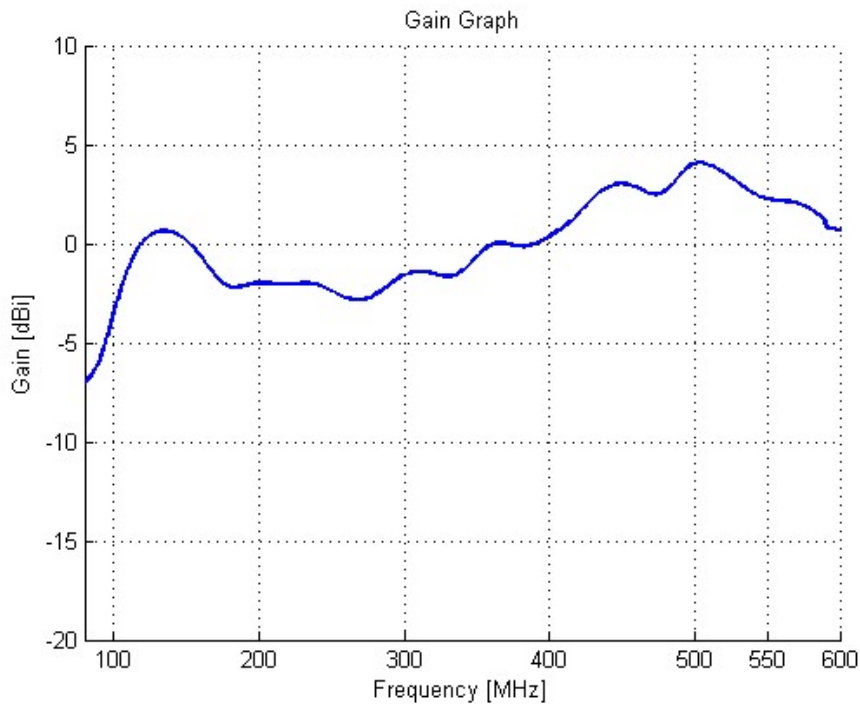
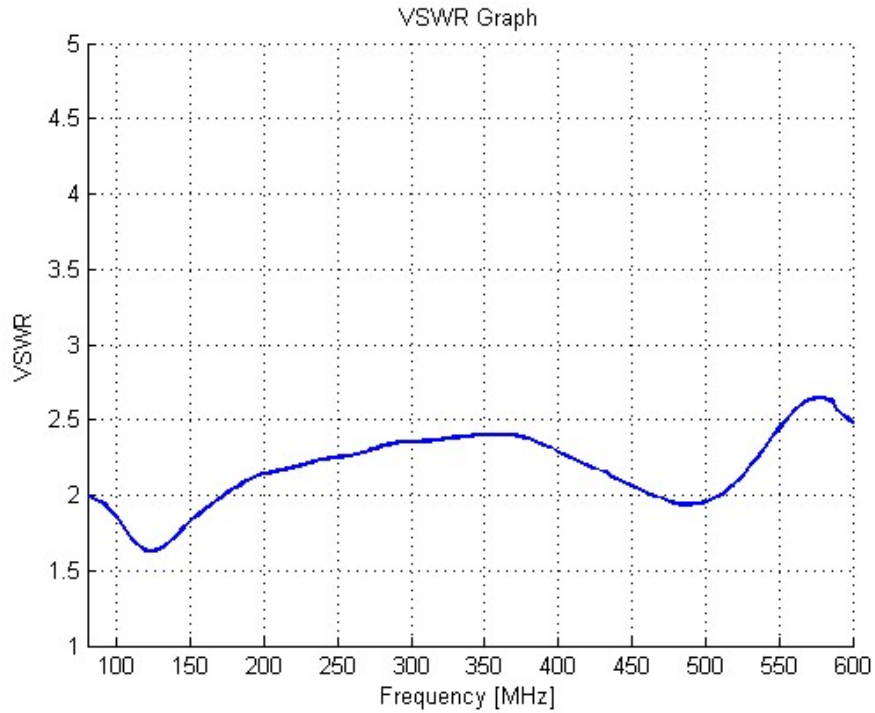
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VERSION 1.0

ESTIMATED VSWR AND GAIN, BAND A:



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VSWR AND GAIN, BAND B / C / D:

