

5 GHz Omni Antennas

Model: 029401 & 029402



ODN Series

Benelec high frequency Omni Directional antennas are designed for the new microwave systems, including U-NII networking. These advanced designs accommodate high-speed wideband performance.

The Omni antennas use an array of uniquely phased vertical elements. They provide a uniform pattern and excellent frequency response. The ODN Series are free space antennas; no ground plane is required.

The array is enclosed in an extremely tough white fiberglass Radome. The Radome is only 25mm in diameter. Wind loading on the antennas is negligible. The antenna feed assembly is made of precision-machined aluminium. The exterior aluminium body is irradiated for weather protection.

Omni-Directional Site/Access Point

- 6 and 9dBi Omni for multipoint applications
- Unique design allows economical build out
- Mounting kit includes all hardware needed
- Models available for 5.15 -5.83GHz

These antennas can withstand the harshest environments of snow, wind, rain and ice.

The antennas are supplied with hardware that allows pole, ceiling or surface/offset mount. Supplied "u" Bolts allow mounting to a pole up to 51 mm (2") in diameter. The antennas terminate with a female N connector.

<u>Model</u>	<u>Description</u>	<u>Frequency</u>
029401	6dBi Omni Directional	5.72-5.83GHz
029402	9dBi Omni Directional	5.72-5.83GHz

Special configurations are available upon request. Please consult factory for more information.

Specifications

Frequency/Gain:	See above
Bandwidth @2:1 SWR:	See Above
Impedance:	50 ohms nominal
Maximum Power:	100 watts
ODN6 Beamwidth:	25 EI, 360 Az
ODN9 Beamwidth:	14 EI, 360 Az
Lighting Protection:	External recommended
ODN6 Antenna Size:	406mm L x 25mm
ODN9 Antenna Size:	508mm L x 25mm

Max Wind Velocity:	160 kph all models
OD Series Material:	White Fibreglass Radome, machine aluminium body
Weight:	<0.5 kg
Mounting:	Pole or surface (offset) mount hardware included
Mounting Dimension:	Mounts up to 51mm mast,
Connector:	N female