

029324 Mobile Fixed ISM 2.4GHz Antenna

WLAN, ISM & Video Systems

Features

- Mount easily to roof, boot or bulkhead.
- 2.5dBi dipole omni directional configuration.
- Rugged ABS radome, mounts to 16mm hole.
- "O" ring seal provides watertight use.

Description

This new antenna complements Benelec's 2.4GHz antenna product line with a new mounting option. The body mount style antenna can be mounted to any vehicle, container, or bulkhead. The rugged style is excellent for industrial applications, yet attractive for consumer use.

The design uses a 16mm feed through for securing to the vehicle. Access to the underside of the body surface is required to complete the installation. The antennas are outfitted with 30cm of RF-195 cable and TNC male connector. Jumper cables for completing the installation are supplied separately, and use RF-195 low loss cable. Alternatively, a longer integral cable can be supplied upon request.

Antenna performance is 2.5dBi (max), with no ground plane required for proper operation. The antenna can even be mounted on fibreglass or plastic housing and meet all specifications.

The antenna radome consists of Black or White ABS UV resistant plastic, with chrome plated mounting plate and threaded feed through. The bottom mounting plate is outfitted with an "O" ring for complete sealing. A mounting lock nut and washer are also supplied for securing the antenna.

The antenna can also be used as mini-base station or access point. An optional right angle mounting bracket kit is available for this purpose. It allows mounting the antenna to any vertical surface.



| <u>Model</u> | <u>Description</u> |
|--------------|---|
| 029324 | Antenna with TNC coax pigtail and mounting hardware |

Antennas are supplied with standard 30cm cable, but can also be outfitted with other lengths. For white Radome please consult at time of order.

Specifications

| | | | |
|---------------------------|---------------------------------------|---------------------------|---|
| Frequency: | 2400-2485MHz | Pigtail Cable: | RF-195, 30cm, exits at bottom |
| Gain: | 2.5dBi max | Pigtail Connector: | TNC male, use jumper cables for longer installation. |
| VSWR: | 2:1 max over range | Radome / Mount: | 45mm diam x 76mm high |
| Nominal Impedance: | 50 ohm | Jumper Cable: | Available in varying lengths, please consult factory. |
| Maximum Power: | 10 watts | Mounting: | 16mm diam feed through, 13mm |
| Case Materials: | ABS plastic, UV Resistant | | Long thread for up to 6mm thick metal. |
| Hardware: | Nut, lock washer and gasket included. | | |