

WS-UMB-S6-3SP

Low Profile 5G/4G Puck Antenna



Applications

- Vending machine / Kiosk
- IOT applications
- Smart Metering
- Emergency Services
- In vehicle routers



Product Features

- Wideband 700-3800MHz / Low VSWR
- Low Profile “Hockey Puck” Design
- Suitable for IOT and M2M applications
- Weatherproof & Impact Resistant
- Single Hole Installation
- High Efficiency and Sensitivity
- Supplied standard with 3m RG174 cable and SMA
- Optional GPS / Optional Wi-Fi

Ordering Information

Part No.	Description
WS-UMB-S6-3SP	Screw Mount Low Profile 5G/LTE “PUCK” antenna Includes 3m cable with SMA Plug connector
WS-UMBG-S6-3SP	Screw Mount Low Profile 5G/LTE “PUCK” antenna with GPS . Includes 2 x 3m cables with SMA plug connectors

General Description

The WS-UMB-S6-3SP antenna is a high performance screw mount antenna, intended for the 5G (sub-6), LTE 4G, 3G and Wi-Fi coverage. Its robust design and low visual impact make it perfect for fixed and mobile data applications in situations where damage may occur. With its high efficiency and sensitivity, the antenna covers the 5G sub-6 band, all LTE cellular bands as well as 2.4GHz and optional GPS.

The antenna enclosure contains a high performance antenna element covering 698-960/1710-3800MHz. The GPS option also contains a high performance GPS antenna with an integrated 26dB gain LNA and high quality filtering to combat noise.

The durable ABS polymer radome is impact resistant and is waterproof. The antenna does not require a metallic ground plane, and maintains a high level of performance even when mounted on a non-metallic surface.

Each antenna element includes a fixed 3 metre low-loss pre-terminated RG174 coax cable.

NOTE: versions of this antenna with GPS support or with Wi-Fi support, are also available.

See part numbers:

WS-UMBG-S6-3SP (with 5G and GPS / 2 in 1)

WS-UMBW-S6-3SP (with 5G and Wi-Fi / 2 in 1)

WS-UMB-S6-3SP

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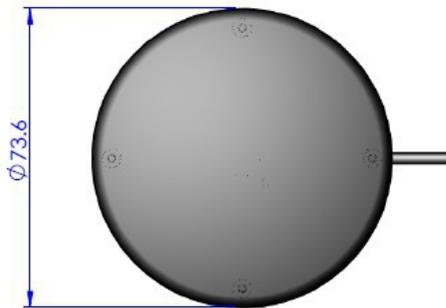
Electrical

Model Number	WS-UMB-S6-3SP
Frequency MHz	700-3800
Nominal Gain dBi	2.5 - 3.0 dBi
VSWR (Return Loss)	<2.0:1
Nominal Impedance Ω	50
Radiation	Omni Directional

Mechanical

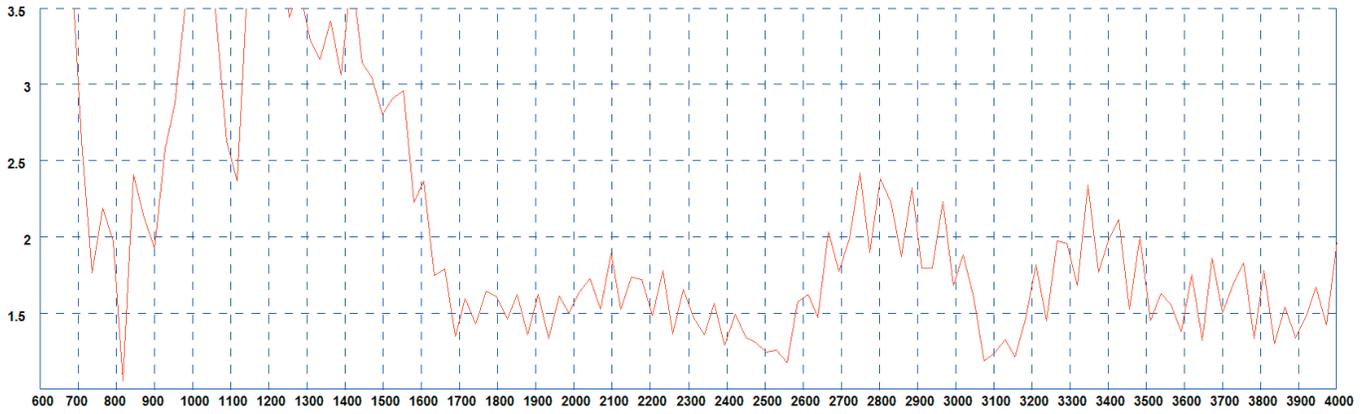
Model Number	WS-UMB-S6-3SP
Construction	Black Polycarbonate / ABS
Height (mm)	26.3
Diameter (mm)	73.6
Cable	3m x RG174
Termination	SMA

Mechanical Dimensions

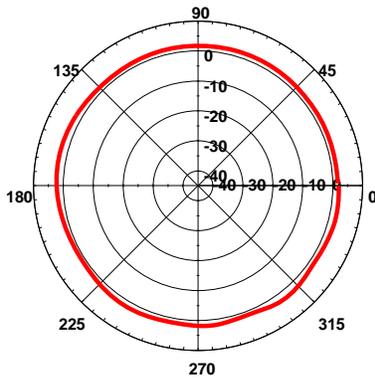


Patterns

Typical VSWR



H-Plane Radiation Pattern



E-Plane Radiation Pattern

