



## Miniature Stud Mount Omnidirectional Antenna for Wi-Fi Applications

The MMSO2300 miniature omnidirectional antenna covers frequencies from 2300-2500 MHz with a VSWR of less than 1.5:1. This ground-plane dependent antenna is designed to go virtually undetected while providing dependable Wi-Fi data throughput. It utilizes a bulkhead stud mount and hardware for secure permanent installations and includes a 3” RG-188A/U pigtail. 12 inch cable option also available. This antenna can be used both outdoors and indoors.

### Features

- Miniature 1.3 inch housing. Provides minimum visibility for areas prone to theft or vandalism.
- Bulkhead stud mount secures the antenna for permanent installations, reducing the probability that the antenna will be stolen.
- Excellent performance with a VSWR of less than 1.5:1 for dependable wireless data coverage in a very low profile design.
- Designed to support permanent installations both outdoors and indoors.

### Technical Data

Maximum Power: 10 watts
Polarization: Vertical, linear
Nominal Impedance: 50 ohms
VSWR: < 1.5:1
Color: Black
Radome Housing: Delrin, UV resistant
Cable: 3” (76.2 mm) RG-188A/U flying lead (Model MMSO2300) 12” (304.8 mm) RG-188A/U coax (Model MMSO2300PT) Shorter cable options available with MMSO2300PT models.
Connector Options: For MMSO2300PT models add connector part number after the PT prefix. Example: MMSO2300PTMMCX indicates MMCX termination SMA plug (part #MSMA) MMCX (part #MMCX) Right Angle MMCX (part #RAMMCX)
Mounting Method: 1/4-28 stud mount, lock washer, jam nut and o-ring seal provided mounts to surfaces up to 0.25” thick

### RF/Electrical Specifications

Model	Frequency Range	Gain
MMSO2300	2.3-2.5 GHz	Unity
MMSO2300PT	2.3-2.5 GHz	Unity

### Mechanical Specifications

Model	Dimensions	Weight (Mass)	Temperature Range
MMSO2300	1.34 “ H x 0.75” OD base with 0.63” flats (34.04 x 19.05 x 16.02 mm)	0.4 oz (0.015 kg)	-30° to +80 °C
MMSO2300PT	1.34 “ H x 0.75” OD base with 0.63” flats (34.04 x 19.05 x 16.02 mm)	0.4 oz (0.015 kg)	-30° to +80 °C

Note: if your connector preference is not listed, please contact Customer Service for availability.