

Surface Mount, MIMO Mobile WiFi



MIMO Low Profile Surface Mount Antennas

Many of the newest wireless networks, are moving towards greater use of MIMO (Multiple-Input-Multiple-Output) systems and MIMO Antennas.

MIMO systems, also known as spatial multiplexing, transmit different data on different antenna elements. The net result is greater data throughput and improved bandwidth efficiency.

Mobile Mark's new MIMO Mobile Antenna provides two or three cable feeds, each with identical frequency coverage. Separate antenna elements are housed within a compact rugged radome.

Each element is fed by a different cable; each cable covers the entire bandwidth specified.

This Low Profile Surface Mount Antenna is housed in a rugged, UV Resistant, ASA radome that measures 1.5-inches (38mm) tall x 3.5-inches (89mm) in diameter.

Standard configuration is Low Loss RF-195 cable with SMA Plug (Male).

The SMD Antenna will stand up to harsh environments. It has a water ingress rating of IPx7 and has been tested to and passed Industry and Military shock and vibration standards.

- Multiple-Input-Multiple-Output antenna
- Models with 2 or 3-cables: each cable with identical bandwidth coverage
- Passed Industry and Military shock and vibration standards
- Water ingress rating of IPx7

Model Configurator

SMD-W- 3 3 3 - -

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3*

Color

Cable Length in Inches (eg. 12 or 180)

Example: SMD-W-3C3C3C-WHT-180

* for 2 cable option, omit one set of cable/connectors
eg. SMD-W-3C3C-WHT-180

Cable Options:

Code	Cable
3	RF-195

Connector Options:

Code	Connector
A	TNC
B	Mini UHF
C	SMA
D	SMB
E	MCX

Color Options:

Code	Color
WHT	White
BLK	Black

(Other Configurations available.)

Specifications

Frequency:		Color:	White or black
Cable 1-3	2.4-2.5 & 4.9-6.0 GHz	Mounting:	Thru-hole, 5/8" diameter (1.6 cm)
Gain:	4 dBi (peak)		3/4" long (1.9 cm) threaded stud
VSWR:	2:1 max over range	Mounting Surface:	Up to 1/4" (6.3 cm) thick metal
Isolation:	>20 dB between elements	Connectors:	SMA Plug (Male) Standard
Impedance:	50 Ohms (nominal)	Operating Temp:	-40 to +85° C
Max power:	20 Watts	Shock and Vibration:	EN 61373, IEEE-1478, MIL-810G
Polarization:	Vertical		TIA-329.2-C
Power:	20 Watts max	Water Ingress:	IPx7 (when properly mounted)
Cables:	RF-195, 15 ft (4.5 m)		
Case:	3.5"D x 1.5"H (89 cm x 38 cm)		
Weight:	1.0 lbs (.45 kg)		
Case Material:	UV resistant ASA		