

Surface Mount, MIMO Mobile WiFi



3-cables



2-cables

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.

- Multiple-Input-Multiple-Output antenna design
- 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

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.

Antenna Model Configurator

Combo Configuration		SMD- ☐ - ☐ - ☐ - ☐ - ☐ - ☐		example - SMD-W-3C3C3C	
Code	Description	Cable #1		Cable #2	
SMD-W	Cable 1 =2.4-2.5 & 4.9-6.0 GHz Cable 2 =2.4-2.5 & 4.9-6.0 GHz Cable 3 =2.4-2.5 & 4.9-6.0 GHz	Code	Description	Code	Description
		3C	RF-195/SMA	3C	RF-195/SMA
		3A	RF-195/TNC	3A	RF-195/TNC
		3B	RF-195/MiniUHF	3B	RF-195/MiniUHF
		3J	RF-195/RevPol SMA	3J	RF-195/RevPol SMA
		3K	RF-195/RevPol TNC	3K	RF-195/RevPol TNC
					Blank - No 3rd Cable

Note: For the 2 cable version, omit the last 2 digits. Example SMD-W-3C3C

Specifications

Frequency:	SMD-W 2.4-2.5 & 4.9-6.0 GHz	Weight:	1.0 lbs (.45 kg)
Gain:	4 dBi (peak)	Case Material:	UV resistant ASA
VSWR:	2:1 max over range	Color:	White
Isolation:	>20 dB between elements	Mounting:	Thru-hole, 5/8" wide threaded stud
Impedance:	50 Ohms (nominal)	Mounting Surface:	Up to 1/4" (64 mm) thick metal
Max power:	20 watt	Connectors:	SMA Plug (Male) Standard
Polarization:	Vertical	Operating Temp:	-40 to +85° C
Power:	20 Watts max	Water Ingress:	IPx7 (when properly mounted)
Cables:	RF-195, 15 ft (457 cm)	Shock and Vibration:	EN 61373, IEEE-1478, MIL-810G
Case:	3.5"D x 1.5"H (89 cm x 38 cm)		TIA-329.2-C
		Water Ingress:	IPx7