



MIMO Low Profile Surface Mount Antennas available with 2 or 3 MIMO elements

SMD-W HV Surface Mount, MIMO Mobile WiFi

- Multiple-Input-Multiple-Output antenna
- Model with 3-cables: each cable with identical bandwidth coverage
- High Vibration design, passed Industry and Military shock and vibration standards

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 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 high vibration (HV) 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.

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-3J3J3J-WHT-180

* for 2 cable option, omit one set of cable/connectors
eg. SMD-W-3J3J-WHT-180

Specify "MSMD" instead of "SMD" for Magnet Mount Option

Cable Options:		Connector Options:		Color Options:	
Code	Cable	Code	Connector	Code	Color
3	LL-195	J	Rev Pol SMA	WHT	White
		C	SMA	BLK	Black

(Other Configurations available.)

Specifications			
Frequency:		Color:	White or black
Cable 1-3	2.4-2.5 & 4.9-6.0 GHz	SMD Mounting:	Thru-hole, 5/8" (16mm) diam., 3/4" (19 mm) long threaded stud
Gain:	4 dBi (peak)	SMD Mounting Surface:	Up to 1/4" (6.3 mm) thick metal
VSWR:	2:1 max over range	MSMD Mounting:	Magnet mount
Isolation:	>20 dB between elements	Connectors:	Rev Pol SMA Plug Standard
Impedance:	50 Ohms (nominal)	Operating Temp:	-40 to +85° C
Max power:	20 Watts	Shock and Vibration:	EN 61373, IEEE-1478, MIL-810G, TIA-329.2-C
Polarization:	Vertical	Water Ingress:	IPx7 (when properly mounted)
Power:	20 Watts max		
Cables:	LL-195, 15 ft (4.5 m)		
Case:	3.5"D x 1.5"H (89 mm x 38mm)		
Weight:	1.0 lbs (.45 kg)		
Case Material:	UV resistant ASA		