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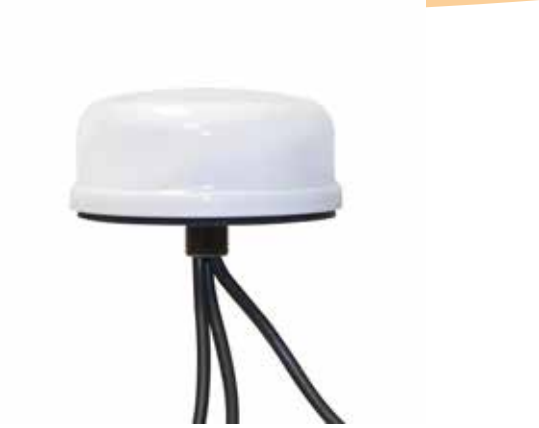
MobileMark
antenna solutions

Surface Mount, MIMO Mobile WiFi



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

- 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

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.

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

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

Cable Options:		Connector Options:		Color Options:	
Code	Cable	Code	Connector	Code	Color
3	RF-195	A	TNC	WHT	White
		B	Mini UHF	BLK	Black
		C	SMA		
		D	SMB		
		E	MCX		

(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" (16 mm) diam., 3/4" (19 mm) long threaded stud
Gain:	4 dBi (peak)		
VSWR:	2:1 max over range		
Isolation:	>20 dB between elements	SMD Mounting Surface:	Up to ¼" (6.3 mm) thick metal
Impedance:	50 Ohms (nominal)		
Max power:	20 Watts	MSMD Mounting:	Magnet mount
Polarization:	Vertical	Connectors:	SMA Plug (Male) Standard
Power:	20 Watts max	Operating Temp:	-40 to +85° C
Cables:	RF-195, 15 ft (4.5 m)	Shock and Vibration:	EN 61373, IEEE-1478, MIL-810G TIA-329.2-C
Case:	3.5"D x 1.5"H (89 mm x 38 mm)		
Weight:	1.0 lbs (.45 kg)	Water Ingress:	IPx7 (when properly mounted)
Case Material:	UV resistant ASA		