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MobileMark antenna solutions®

LTM5013C3C3J3J2CWHT180SP753 multi-band 5-cable LTE MIMO, WiFi MIMO & GPS

LTM501
Antenna

- 5-cables: two for Cellular/LTE, two for WiFi, and one for GPS
- Cellular/LTE elements used for either Diversity or MIMO
- Does not require a ground plane

Mobile Mark's LTM5013C3C3J3J2CWHT180SP753 Multiband Diversity/MIMO antenna contains five separate antennas, all in one compact antenna housing: two LTE 700 MHz & Cellular antennas, two dual-band WiFi antennas, and one GPS antenna.

MIMO (multiple-input-multiple-output) modems offer greater speed and capacity than earlier generations of modems. They achieve this by sending RF signals on multiple antenna elements to maximize the amount of information transmitted and received. To ensure optimum performance, the systems need multiple antennas on both the transmission and receive ends.

With 5-elements, this antenna is ideal for fleet management systems that combine GPS with both an LTE MIMO modem as well as WiFi MIMO modem.

Measuring 5.5" (14 cm) in diameter with a low profile of 2.38" (6.04 cm), LTM series antennas take up significantly less space than multiple antennas.

Available with ASA Plastic Base Only

Model Configurator

LTM501- □□ □□ □□ □□ □□ - □□□ - □□□

Cable/Connector 1
Cable/Connector 2
Cable/Connector 3
Cable/Connector 4
Cable/Connector 5
Color
Cable Length in Inches (eg. 12 or 180)

Antenna SKU: LTM5013C3C3J3J2CWHT180SP753

Cable Options:

Code	Cable
1	RG-58
2	RG-174
3	LL-195

Connector Options:

Code	Connector
C	SMA
J	RP SMA

Color Options:

Code	Color
WHT	White

Specifications

Frequency & Gain (peak)*:	
Cable 1 & 2 (Cellular/LTE)	694-960 MHz, 3 dBi 1710-2170 MHz, 4 dBi
Cable 3 & 4 (WiFi)	2.4-2.5 & 4.9-6.0 GHz, 5 dBi
Cable 5 (GPS)	1575.42 +/- 2 MHz, 26 dB, 5 dBi
VSWR*:	2:1 VSWR over Range
Impedance:	50 Ohm Nominal
Maximum Power:	10 Watts
Case:	
Surface Mount	5.50" Dia. x 2.38" High (14 cm x 6.04 cm)
Radome Material:	ASA UV-Stable Plastic

Operating Temperature:	-40° to +80° C
Connectors:	SMA Plugs standard
Cable:	
Cable 1-4	Separate LL-195, 15 ft (4.5m)
Cable 5 (GPS)	RG-174, 15 ft (4.5 m)
LTM Mounting:	7/8" (2.2 cm) Dia. Feed thru 3/4"(1.9 cm) long thread for up to 1/2" (1.2 cm) thick surface
Shock & Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Water Ingress:	IP67

**Measured on 1'(30cm) ground with 1'(30cm) cable*

Specifications subject to change without notice (8/2025)