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MobileMark
antenna solutions

MXF602 Multi-band 6-cable LTE, WIFI & GPS

- 6-cables: two for Cellular & LTE, three for WiFi, and one for GPS
- WiFi elements can be used for WiFi MIMO or for separate WiFi modems
- Available with GPS or with combination GPS/Glonass/Galileo

Mobile Mark's MXF602 Series Multiband Diversity/MIMO antenna contains six separate antenna elements, all in one compact antenna housing: two broadband LTE/Cellular antennas, three dual-band WiFi antennas, and one GPS antenna. The MXF602 covers Cellular LTE frequencies from 694-3700 MHz.

With six elements, the new MXF602 antenna is ideal for fleet management systems that combine GPS with both an LTE 2xMIMO modem as well as a WiFi 4xMIMO Modem.

The New MaxFin Antenna has been well received because it is compact, attractive and high performance. The antenna housing contains a stylish combination of matte & polished finish, providing a sleek, high-tech look on the vehicle.

Measuring 7.5" (19cm) long x 2.25 (5.7cm) wide x 2.5" (6.4cm) tall the MXF602 series antennas take up significantly less space than multiple antennas. This antenna is also available in a mag-mount version; the magmount style is popular for system testing when the antenna needs to be moved quickly and easily from car to car. The model number for the mag-mount version starts with MMXF.

Model Configurator

MXF602 - □□□□□□□□□□□□□□

Cable/Conn 1
Cable/Conn 2
Cable/Conn 3
Cable/Conn 4
Cable/Conn 5
Cable/Conn 6
Color
Cable Length in Inches (eg. 12 or 180)

Example: MXF602-3C3C3J3J3J2C-BLK-180
MMXF602-3C3C3J3J3J2C-BLK-180(Mag mount)

Specify "MXFG" instead of "MXF" for GPS/Glonass/Galileo combination antennas

Cable Options:		Connector Options:		Color Options:	
Code	Cable	Code	Connector	Code	Color
2	RG-174	C	SMA	BLK	Black
3	LL-195	J	RP SMA		

Specifications

Frequency & Gain (peak):	
Cable 1 & 2 (Global LTE)	694-960 MHz, 0-3 dBi
	1710-3700 MHz, 4 dBi
Cable 3, 4 & 5 (WiFi)	2.4-2.5 & 5-6 GHz, 4 & 5 dBi
Cable 6 (GPS)	1575 MHz, 26 dB, 5 dBi
GPS/Glonass/Galileo)	1575 MHz & 1602 MHz
VSWR:	
LTE	2:5:1 VSWR over Range
WiFi	2:1 VSWR over Range
Impedance:	50 Ohm Nominal
Maximum Power:	10 Watts
GPS	
Amplifier Bias:	3.3/5 VDC
Noise Figure:	2.0 dB max, 1.7 dB typical
Current:	20 mA max, 10 mA typical
MXF Dimensions:	7.5" x 2.25" x 2.5" (19cm x 5.7cm x 6.4cm)
MMXF Dimensions	7.5"L x 2.25"W x 2.95"H (19cm x 5.7cm x 7.5cm)
Radome Material:	ASA UV-Stable Plastic
Operating Temperature:	-40° to +80° C
Connectors, standard:	SMA Plugs (male) standard
Cable:	
Cable 1-5	LL-195, 15 ft (4.5m)
Cable 6 (GPS and GPS/Glonass/Galileo)	RG-174, 15 ft (4.5 meters)
Stud Mounting:	7/8" Dia. (22.22mm) Feed through 3/4" lg. (19mm) thread for up to 1/2" (12.7mm) thick surface
MMXF Mount:	Mag Mount

Specifications subject to change without notice (9/2018)