



MEA-2410-FAKRA

2.4/5.0 GHz ISM Connector Mount

Part #: 100-00277-01



Description

The MEA-2410-FAKRA connector mount Antenna is a low profile antenna solution, with a very high-performance ideal for maintaining constant network connectivity. The MEA-2410-FAKRA covers all WiFi, BT, ZigBee, and ISM standard frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications. The MEA-2410-FAKRA is easy to install with maximum durability offering IP67 rated housing and anti-rotation mounting. The high performance and low profile make this antenna ideal for the most challenging installations.

Electrical Specification

Parameter	Specification	
Frequency Range	2410-2490 MHz	4920-5925MHz
Band	2.4 GHz	5.0GHz
Return Loss	-17.6 dB	-5.4 dB
VSWR	1.3:1	3.8:1
Efficiency	61.1%	25.7%
Peak Gain	2.6 dBi	-0.3 dBi
Average Gain	-2.1 dB	-6.2 dB
Impedance	50 Ω	
Polarization	Linear	
Radiation Pattern	Omni-Directional	
Max Input Power	25 W	

Mechanical Specification

Parameter	Specification
Antenna Dimensions	Ø12.5 x 44.5 mm
Operating Temperature	-40°C to + 85°C
Mounting Type	Connector Mount
Connector	Fakra Beige Female (Jack)
Radome/Color	ASA/Black
Substance Compliance	RoHS

*Mounted on Ground Plane 80 x 40 cm

Features

- 2.4/5.0 GHz ISM, 2410-2490MHz, 4920-5925MHz
- Easy mounting: Connector Mount
- High performance
- High Gain
- Small Form Factor: Ø12.5 x 44.5 mm

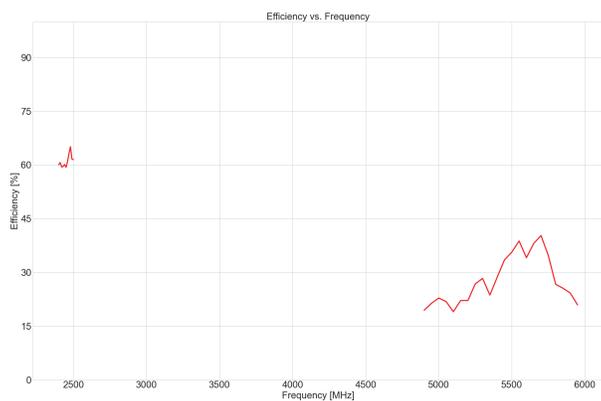
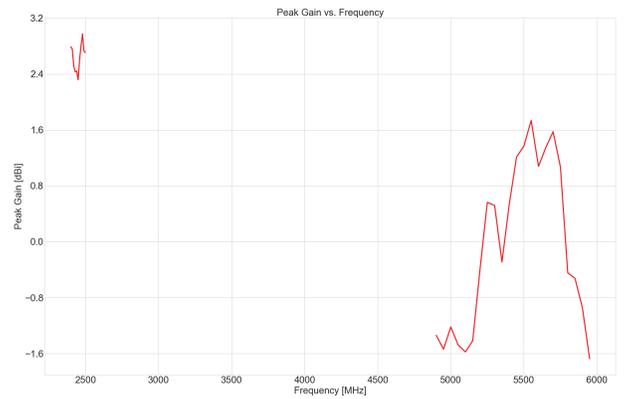
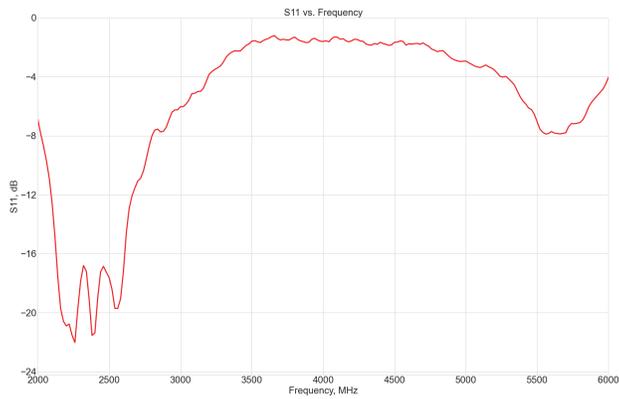
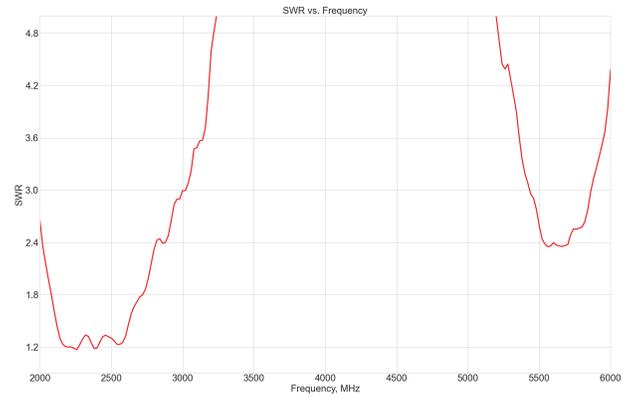
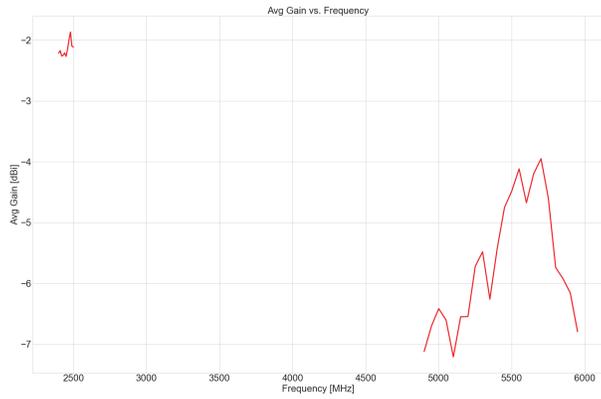
Applications

- WIFI applications
- Navigation and telematics systems
- IoT applications
- Automotive connectivity
- Multimedia
- Fleet management
- HD video and audio streaming



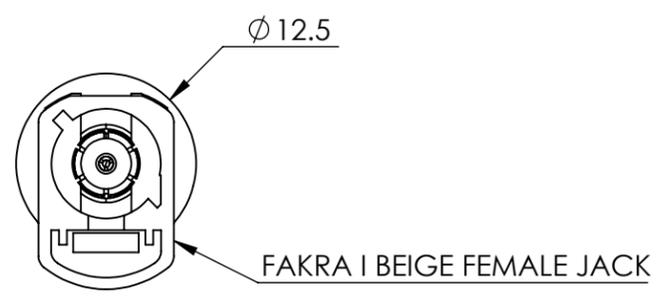
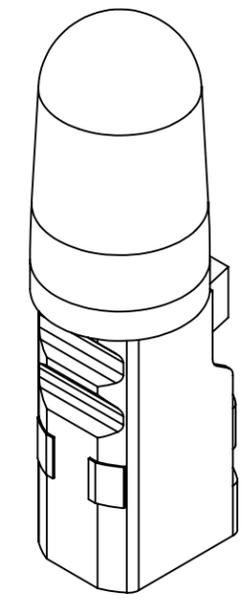
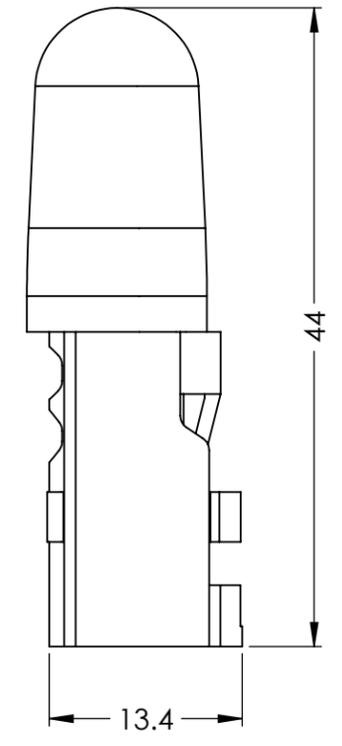
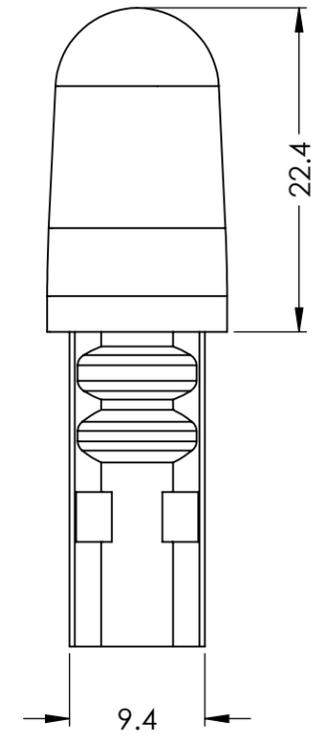
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DRAWING REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2022-05-06	JET



NOTES:

1. FREQUENCY (WIFI, BT, ZigBee, ISM): 2410-2490 MHz, 4920-5925 MHz
2. MOUNTING TYPE: CONNECTOR MOUNT
3. MATERIALS:
 - RADOME: ASA
 - RADOME COLOR: BLACK
4. OPERATING TEMPERATURE: -40° C ~ +85° C
5. STORAGE TEMPERATURE: -40° C ~ +85° C

ITEM 100-00277 REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2022-05-06	JET

100-00277 CONFIGURATION TABLE		
DASH NO	CONNECTOR TYPE	RADOME COLOR
-01	FAKRA-I-BEIGE-FEMALE (JACK)	BLACK

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± .5° BEND ±
ONE PLACE DECIMAL ± 1.0
TWO PLACE DECIMAL ± .50

	NAME	DATE
DRAWN	JET	2022-05-06
CHECKED	ZX	2022-05-06
ENG APPR.	NPC	2022-05-06
MFG APPR.		
	Q.A.	

INTERPRET GEOMETRIC TOLERANCING PER:

THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

MAXTENA, INC

TITLE:
100-00277
MEA-2410-FAKRA

SIZE B	DWG. NO. 117-00630-01	REV A
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CAGE CODE: 5KQH7 SCALE: NONE SHEET 1 OF 1

Mouser Electronics

Authorized Distributor

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