CEL-FI™
WHIP ANTENNA
Omnidirectional Coverage Antenna

The Cel-Fi Whip Antenna is an ultra-wideband, omnidirectional server antenna for Cel-Fi cellular and public safety network deployments. Supporting 5G-NR, 4G-LTE, and LMR applications, the antenna offers improved efficiency and gain for application-specific service bands, while its hinged design enables the antenna to swivel for installation flexibility. This antenna is ideal for Cel-Fi QUATRA, GO, SOLO, and COMPASS products.

Key Features

- Developed for Ultra-Wideband Operation from 410-5925 MHz
- Standard SMA Male RF Interface for Direct Installation on Cel-Fi Products
- Compact Form Factor for Aesthetically Pleasing Deployments
- Install Orientation Flexibility Due to Hinged Design
- Ground Plane Independent

Works with the following Cel-Fi products:

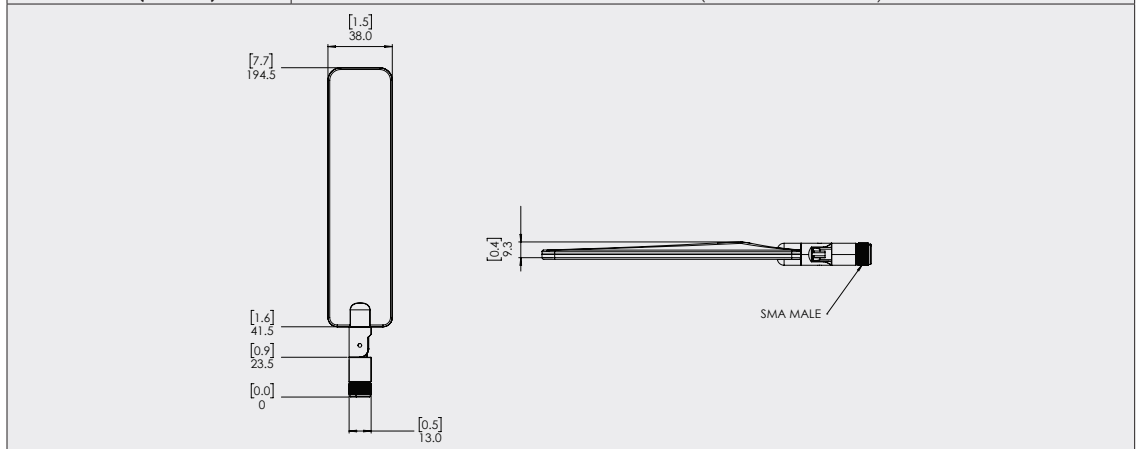**Cel-Fi QUATRA 4000/4000i/4000e**

Cel-Fi SOLO

Cel-Fi GO

Cel-Fi COMPASS

ELECTRICAL SPECIFICATIONS

Service Bands	450	600, 700, 800, 850, 900	1500, 1600, 1700, 1800, 1900, 2000, 2100, 2300, 2500, 2600	3300, 3500, 3600, 3700, 4500	5200, 5500, 5800
Return Loss (dB) Typ.	-8.3	-14.3	-8.2	-6.8	-10.6
Efficiency (%) Typ.	20.6	40.8	60	40.8	30.9
Peak Gain (dBi) Typ.	4.5	0.5	2.1	1.5	2.5
Avg Gain (dB) Typ.	-7.0	-4.2	-2.4	-4.4	-5.5
Impedance (Ω) Nom.	50				
Polarization	Linear/Vertical				
Radiation Pattern	Omni				
Input Power (W) Max.	25 W				
Connector	SMA Male				

MECHANICAL SPECIFICATIONS

Housing Material	PC/ABS UV Stable
Housing Color	Black
Antenna	Hinged
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Ingress Protection	Indoor Only
RoHS	Compliant
REACH	Compliant
Dimensions (LxWxH)	6.8 x 1.5 x 0.4 in (171 x 38 x 9.3 mm)

[1.5]
38.0

[7.7]
194.5

[0.4]
9.3

SMA MALE

[1.6]
41.5

[0.9]
23.5

[0.0]
0

[0.5]
13.0