TE Internal #: L000423-12

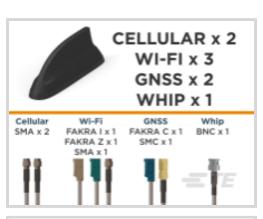
Shark Fin Antenna, Multi Band, Vehicular, External Mount, Stud Mount, BNC / Fakra / SMA, Omnidirectional, Multiple Ports, 3 < 6

dBi Peak Gain

View on TE.com >



#### Antennas











Antenna Type: Shark Fin Band Type: Multi Band

Primary Application: Vehicular
Wireless Application: Vehicular
Mounting Location: External

# **Features**

# Product Type Features

Signal Characteristics

Frequency Band

Antenna Termination	BNC, Fakra, SMA
Antenna Product Type	Antenna
Configuration Features	
Antenna Style	Shark Fin
Antenna Type	Shark Fin
Band Type	Multi Band
Mounting Location	External
Port Configuration	Multiple Ports
Electrical Characteristics	
Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<3:1

617 – 960 MHz, 1427 – 1511 MHz, 1690 –

4000 MHz, 2400 – 2500 MHz, 4000 – 7200



	MHz, 4900 – 6000 MHz
Gain (Max)	2 dB, 3 dB, 3.3 dB, 3.7 dB, 4.6 dB, 4.8 dB
Frequency Category	617 – 7125
Peak Gain	3 < 6 dBi
Body Features	
Product Weight	2100 g[74.08 oz]
Mechanical Attachment	
Polarization	Linear
Mounting Type	Stud Mount
Dimensions	
Product Width	63 mm[2.48 in]
Product Length	245 mm[9.64 in]
Product Height	84 mm[3.3 in]
Cable Length	5.3 m[17.4 ft]
Operation/Application	
Antenna Environment	Outdoor
Wireless Standard	Cellular
Directionality	Omnidirectional
Industry Standards	
IP Rating	IP67, IP69K
Primary Application	Vehicular
Wireless Application	Vehicular
Product Availability	
Applicable Region	Global
Packaging Features	
Packaging Method	Carton
Other	
Precision Level	Standard

# **Product Compliance**

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU Not Yet Reviewed



EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

# Compatible Parts

















### **Documents**



# **Product Drawings**

8-Port,2x5G/LTE,3xWiFi,2xGNSS,Whip,BLK

English

### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_L000423-12\_1.2d\_dxf.zip

English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_L000423-12\_1.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_L000423-12\_1.3d\_igs.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use

# Datasheets & Catalog Pages

FP20 auto Datasheet and Kitting Guide

English

# **Product Specifications**

**Test Specification** 

English