



Antennas



Mounting Location: External

Mounting Type: Screw Mount

Antenna Type: Whip

Directionality: Omnidirectional

Band Type: Single Band

Features

Product Type Features

Antenna Product Type	Antenna
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Configuration Features

Antenna Style	Whip
Mounting Location	External
Antenna Type	Whip
Band Type	Single Band

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<1.6:1

Signal Characteristics

Frequency Band	450 – 470 MHz
Gain (Max)	4.98 dB

Body Features

Antenna Weight	15 g[.529 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Screw Mount

Dimensions

Product Diameter	6 mm[.236 in]
Product Length	131 mm[5.157 in]

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

IP Rating	IP67
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Product Availability

Applicable Region	Americas
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Packaging Features

Packaging Method	Bag/Carton
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Other

Precision Level	Standard
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Product Compliance

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

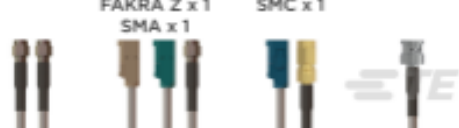
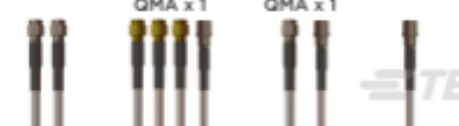
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (4% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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

 CELLULAR x 2 WI-FI x 2 GNSS x 1 WHIP x 1 Cellular SMA x 2 Wi-Fi RP-SMA x 2 GNSS SMA x 1 Whip TNC x 1  TE Part # L000423-07 6-Port,2x 5G/LTE,2x WiFi,GNSS,Whip, BLK	 CELLULAR x 2 WI-FI x 4 GNSS x 2 WHIP x 1 Cellular SMA x 2 Wi-Fi RP-SMA x 4 GNSS SMA x 2 Whip TNC x 1  TE Part # L000423-06 9-Port,2x 5G/LTE,4x WiFi,2xGNSS, Whip,BLK	 CELLULAR x 2 WI-FI x 2 GNSS x 2 WHIP x 1 Cellular SMA x 2 Wi-Fi FAKRA I x 1 FAKRA Z x 1 GNSS FAKRA C x 1 SMA x 1 Whip TNC x 1  TE Part # L000423-02 7-Port,2x 5G/LTE,2x WiFi,2xGNSS, Whip,BLK	 CELLULAR x 2 WI-FI x 3 GNSS x 1 WHIP x 1 Cellular SMA x 2 Wi-Fi RP-SMA x 3 GNSS SMA x 1 Whip SMA x 1  TE Part # L000423-11 7-Port,2x 5G/LTE,3x WiFi,GNSS,WHIP, BLK
 CELLULAR x 2 WI-FI x 3 GNSS x 2 WHIP x 1 Cellular SMA x 2 Wi-Fi FAKRA I x 1 FAKRA Z x 1 SMA x 1 GNSS FAKRA C x 1 SMC x 1 Whip BNC x 1  TE Part # L000423-12 8-Port,2x5G/LTE,3xWiFi,2xGNSS,Whip, BLK	 CELLULAR x 2 WI-FI x 2 GNSS x 2 WHIP x 1 Cellular SMA x 2 Wi-Fi FAKRA I x 1 FAKRA Z x 1 GNSS FAKRA C x 1 SMA x 1 Whip BNC x 1  TE Part # L000423-13 7-Port,2x5G/LTE,2xWiFi,2xGNSS,Whip, BLK	 CELLULAR x 4 WI-FI x 2 GNSS x 1 WHIP x 1 Cellular SMA x 4 Wi-Fi RP-SMA x 2 GNSS SMA x 1 Whip QMA x 1  TE Part # L001044-02 8P Veh,Ant,4x5G,2xWiFi,1xGNSS, 1xWhip	 CELLULAR x 4 WI-FI x 2 GNSS x 1 WHIP x 1 Cellular SMA x 4 Wi-Fi RP-SMA x 2 GNSS SMA x 1 Whip BNC x 1  TE Part # L001044-01 8P Veh,Ant,4x5G,2xWiFi,1xGNSS, 1xWhip
 CELLULAR x 2 WI-FI x 2 GNSS x 1 WHIP x 1 Cellular SMA x 2 Wi-Fi SMA x 2 GNSS SMA x 1 Whip SMA x 1  TE Part # L000423-09 6-Port,2x 5G/LTE,2x WiFi,GNSS,WHIP, BLK	 CELLULAR x 2 WI-FI x 4 GNSS x 1 WHIP x 1 Cellular SMA x 2 Wi-Fi RP-SMA x 4 GNSS SMA x 1 Whip TNC x 1  TE Part # L000423-04 8-Port,2x 5G/LTE,4x WiFi,1xGNSS, Whip,BLK	 CELLULAR x 2 WI-FI x 2 GNSS x 2 WHIP x 1 Cellular SMA x 2 Wi-Fi RP-SMA x 2 GNSS SMA x 2 Whip SMA x 1  TE Part # L000423-03 7-Port,2x 5G/LTE,2x WiFi,2xGNSS, Whip,BLK	 CELLULAR x 2 WI-FI x 4 GNSS x 2 WHIP x 1 Cellular SMA x 2 Wi-Fi RP-SMA x 3 QMA x 1 GNSS SMA x 1 QMA x 1 Whip QMA x 1  TE Part # L000423-05 9-Port,2x 5G/LTE,4x WiFi,2xGNSS, Whip,BLK

Customers Also Bought



TE Part #2-1879073-8
THS10 50R 5%

TE Part #1-1879451-9
TE 600W 33R 5% Bracket

TE Part #2176244-8
CRGS0805 5% 3R9

TE Part #2-2176313-7
RP 1E 0.1W 249K 0.1% 25PPM 1K RL

TE Part #1-2176367-2
RQ 0603 6K04 0.1% 10PPM 1K RL

TE Part #2351461-1
MINSA SW HLV 0.30N 0.5A AC SC Sh-R-Bnd

TE Part #2428519-1
COVER,180DEG,NTS26P

TE Part #1-2445860-1
36POS,HYBRID,PIN HSG ASSY,SLD,COD A

TE Part #2483396-3
BNC M to HDBNC M Str 75 Ohm
NFC55a 36 in

TE Part #2501432-1
TNC Plug Protection Cap

Documents

Product Drawings
Monopole Whip,UHF,450-470MHz
English

CAD Files
Customer View Model
ENG_CVM_CVM_L000410-02_1.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_L000410-02_1.3d_stp.zip
English
Customer View Model
ENG_CVM_CVM_L000410-02_1.2d_dxf.zip
English
3D PDF
3D

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Datasheets & Catalog Pages



DATASHEET VEHICULAR-WHIP-ANTENNAS

English