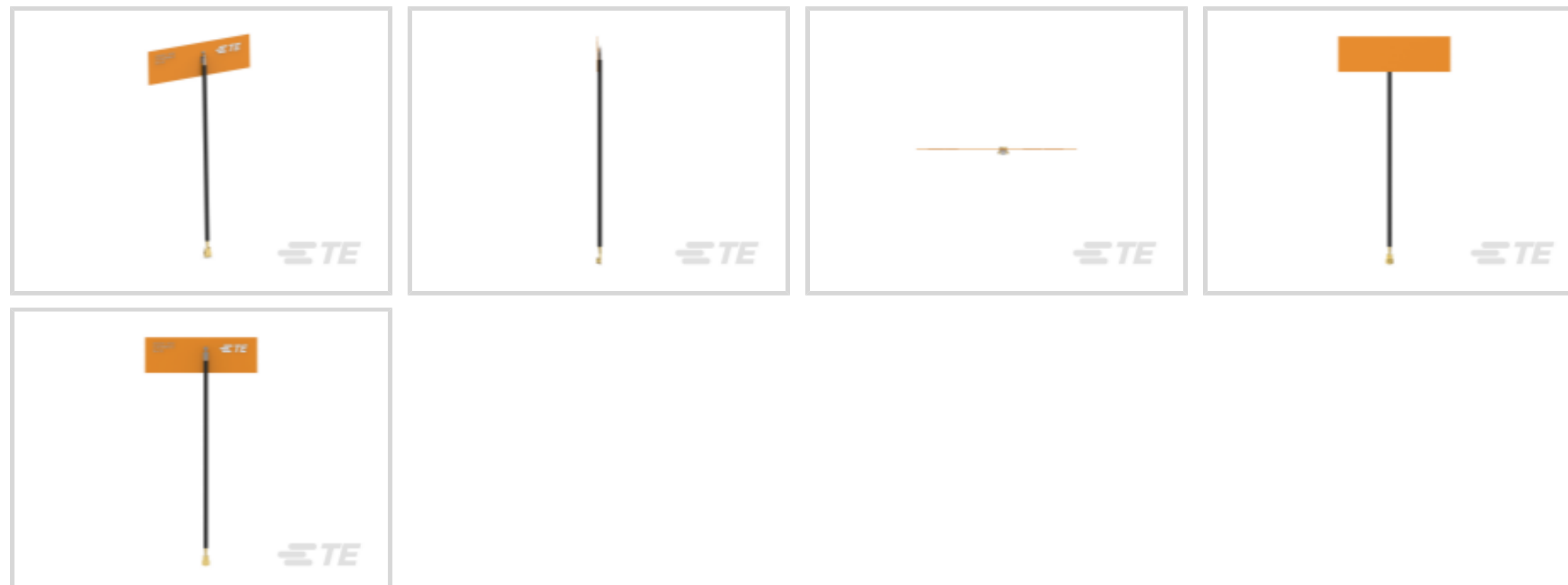




Antennas



Wireless Application: **Bluetooth, WLAN, ZigBee**

Mounting Retention Type: **Adhesive**

Antenna Connection Type: **Cable Assembly**

Antenna Connector Type: **MHF Compatible**

Cable Length: **100 mm [3.937 in]**

Features

Product Type Features

Antenna Connection Type	Cable Assembly
Antenna Connector Type	MHF Compatible

Configuration Features

Band Type	Dual Band
Antenna Protocol	WLAN
Number of Ports	1
Antenna Style	Embedded
Antenna Type	Thin PCB

Electrical Characteristics

VSWR (Max)	<2:1
Impedance	50 Ω
Active Antenna	No

Signal Characteristics

Frequency Band	2400 – 2500 MHz, 5150 – 5875 MHz
Gain (Max)	2 dB



Body Features

Product Weight	1.2 g[.042 oz]
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Mechanical Attachment

Region	Global
Polarization	Linear
Mounting Retention Type	Adhesive

Dimensions

Product Diameter	1.13 mm[.044 in]
Cable Insulation Diameter (Max)	.7 mm[.028 in]
Cable Length	100 mm[3.937 in]
Product Length	30 mm[1.181 in]
Product Width	9.5 mm[.374 in]
Product Height	.19 mm[.007 in]

Usage Conditions

Application by Region	Bluetooth - Global - 2400 – 2500 MHz, WLAN - Global - 2400 – 2483.5 MHz, WLAN - Global - 5150 – 5875 MHz
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Operation/Application

Wireless Standard	802.11 a/b/g/n/ac/ad, Bluetooth, ZigBee & Wi-Fi
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Industry Standards

Wireless Application	Bluetooth, WLAN, ZigBee
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Packaging Features

Packaging Method	Bag & Box
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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
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	



Current ECHA Candidate List: JAN 2020 (205)
Candidate List Declared Against: JUL 2019 (201)
Does not contain REACH SVHC

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
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Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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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

WLAN DUAL BAND ANTENNA FPC V 100mm

English

CAD Files

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_2344656-2_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2344656-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2344656-2_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[Datasheet 2344656](#)

English