

ANT-2.4-PML

✓ ACTIVE

TE Internal #: L9000096-01

Terminal/Duck Antenna, Single Band, Bluetooth / ISM / Zigbee, External Mount, Stud/Screw/Lug Mount, Solder, Omnidirectional, Single Port

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Antennas



Communication Protocol: **Bluetooth, ISM, Zigbee**

Mounting Location: **External**

Mounting Type: **Stud/Screw/Lug Mount**

Frequency Category: **2400 – 2500**

Antenna Type: **Terminal/Duck**

Features

Product Type Features

Antenna Termination	Solder
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Whip
Mounting Location	External
Antenna Type	Terminal/Duck
Band Type	Single Band
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<1.9:1

Signal Characteristics

Frequency Band	2400 – 2485 MHz
Gain (Max)	2.4 dB
Frequency Category	2400 – 2500
Peak Gain	0 < 3 dBi

Mechanical Attachment

Polarization	Linear
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Mounting Type	Stud/Screw/Lug Mount
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Dimensions

Product Width	12.1 mm[.48 in]
Product Length	150.3 mm[5.92 in]
Product Height	0 mm[0 in]
Cable Length	.3 m[1 ft]

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

Communication Protocol	Bluetooth, ISM, Zigbee
Primary Application	Bluetooth, ISM, Zigbee

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) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
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



TE Part # L9000100-01

Antenna 1/2 Wave Whip 2.4GHz RG174



TE Part # L9000098-01

Antenna 1/4 Wave Whip 2.4GHz Screw #6

Customers Also Bought



TE Part #8-1614884-5

CPF 0805 11K 0.1% 25PPM 1K RL



TE Part #3-1630019-5

HSC200 R261 5%



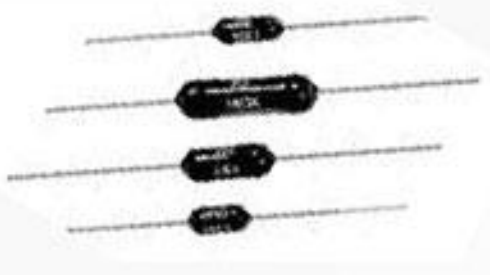
TE Part #1-1879225-7

CPF 0603 57K6 0.1% 25PPM 1K RL



TE Part #6-1879225-5

CPF 0603 210K 0.1% 25PPM 1K RL



TE Part #4-1879621-7

H4P 820R 1% 50PPM



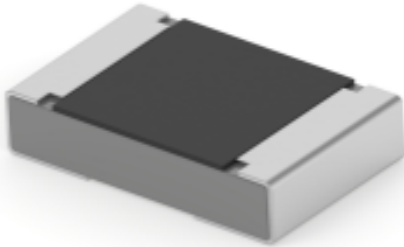
TE Part #3-2176093-3

RP 2A 0.25W 20K5 0.1% 25PPM 1K RL



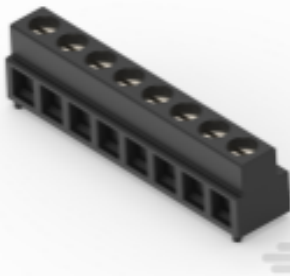
TE Part #2-2176325-4

CRGP 0402 820R 1%



TE Part #1-2176482-7

RA73F 2A 75R 0.1% 5K RL



TE Part #2383938-8

TERMI-BLOK SMD MOUNT 180_8P_5 MM



TE Part #5414946-2

PLUG, CBL, STR, SMB, PB FREE

Documents

Product Drawings

Antenna 1/4 Wave Whip 2.4GHz RG178

English

CAD Files

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_L9000096-01_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L9000096-01_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L9000096-01_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[ANT-2.4-PML-ccc](#)

English