ANT-2.4-PW-LP <

TE Internal #: L9000098-01 Whip Antenna, Single Band, ISM / Bluetooth / Zigbee, External Mount, Stud/Screw/Lug Mount, M5, Omnidirectional, Single Port, Gain < 0 dBi

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Wireless Application: Bluetooth, ISM, Zigbee

Mounting Location: External

Mounting Type: Stud/Screw/Lug Mount

Antenna Termination: M5

Antenna Type: Whip

Features

Product Type Features

Antenna Termination	M5
Configuration Features	
Antenna Style	Whip



Antenna TypeWhipBand TypeSingle BandPort ConfigurationSingle PortFectrical CharacteristicsVSWR (Max)VSWR (Max)<1.9:1ImpedanceSo ΩSignal CharacteristicsGain (Max)-1.9 dBFrequency Band2400 - 2485 MHzNominal Frequency Range2400 - 2500Peak Gain<0 dBi	Mounting Location	External
Port ConfigurationSingle PortPort ConfigurationSingle PortElectrical CharacteristicsVSWR (Max)<1.9:1	Antenna Type	Whip
Electrical CharacteristicsVSWR (Max)<1.9:1	Band Type	Single Band
VSWR (Max)<1.9:1Impedance50 ΩSignal Characteristics-1.9 dBGain (Max)-1.9 dBFrequency Band2400 – 2485 MHzNominal Frequency Range2400 – 2500Peak Gain< 0 dBi	Port Configuration	Single Port
Impedance50 ΩSignal Characteristics	Electrical Characteristics	
Signal CharacteristicsGain (Max)-1.9 dBFrequency Band2400 - 2485 MHzNominal Frequency Range2400 - 2500Peak Gain< 0 dBi	VSWR (Max)	<1.9:1
Gain (Max)-1.9 dBFrequency Band2400 – 2485 MHzNominal Frequency Range2400 – 2500Peak Gain< 0 dBi	Impedance	50 Ω
Frequency Band2400 – 2485 MHzNominal Frequency Range2400 – 2500Peak Gain< 0 dBi	Signal Characteristics	
Nominal Frequency Range2400 – 2500Peak Gain< 0 dBi	Gain (Max)	-1.9 dB
Peak Gain < 0 dBi	Frequency Band	2400 – 2485 MHz
	Nominal Frequency Range	2400 – 2500
Body Features	Peak Gain	< 0 dBi
	Body Features	
Product Weight 5.24 g[.18483 oz]	Product Weight	5.24 g[.18483 oz]

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Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount
Dimensions	
Product Width	10.4 mm[.41 in]
Product Length	50.5 mm[1.99 in]
Product Height	0 mm[0 in]
Operation/Application	
Antenna Environment	Outdoor
Directionality	Omnidirectional
Industry Standards	
Wireless Application	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

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: JUNE 2023 (235) 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

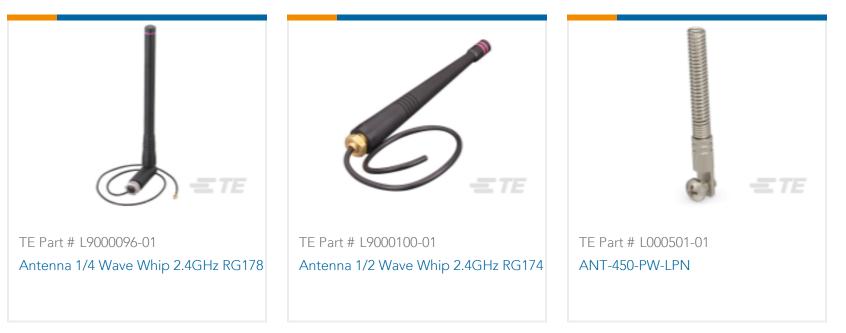
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product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Documents

Datasheets & Catalog Pages ANT-2.4-PW-LP

English