TRAB9023 ✔ ACTIVE

TE Internal #: TRAB9023

Baton/Stick Antenna, Single Band, ISM / LoRaWAN, External Mount, Stud/Screw/Lug Mount, NMO, Omnidirectional, Single Port, 0 < 3 dBi Peak Gain

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Antennas



Communication Protocol: **ISM, LoRaWAN**

Mounting Location: **External**

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

Frequency Category: **901 – 941**

Antenna Type: **Baton/Stick**

Features

Product Type Features

Antenna Termination	NMO
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Vehicular
Mounting Location	External
Antenna Type	Baton/Stick
Band Type	Single Band
Port Configuration	Single Port

Signal Characteristics

Frequency Band	902 – 928 MHz
Gain (Max)	3 dB
Frequency Category	901 – 941
Peak Gain	0 < 3 dBi

Mechanical Attachment

Mounting Type	Stud/Screw/Lug Mount

Operation/Application

Antenna Environment	Indoor, Outdoor
Directionality	Omnidirectional

Industry Standards

Communication Protocol	ISM, LoRaWAN
Primary Application	ISM, LoRaWAN

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 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



TE Part # TRAB9023N
OMNI,Ph,NMO,902-928MHz BK,3,100, NGP



TE Part # TRAB9023P
OMNI,SB,Ph,902-928MHz BLK,3,PMT

Customers Also Bought



TE Part #B4505CNS

WHIP,MC,CC,450-470MHZ, TUN,5,CH, NGP,SPRI



TE Part #B132S-L

WHIP,MC,1/4,132-525MHZ, 0,CH,GP, SPG F TU



TE Part #G195TI

MOUNT,MGM,3/4,A195,TNCM



TE Part #B1443-L

WHIP,MC,5/8,144-174MHZ TUN,3,CH, GP,



TE Part #QWB450-L

WHIP, QW, 1/4,450-470MHz 460, 0dB, BK, G



TE Part #MT58NMONF

MISCACC,P-MOUNT



TE Part #QWB152-L

WHIP, QW, 1/4,152-162MHz 157, 0dB, BK, G



TE Part #TRAB24003

OMNI,SB,PH,2400-2500 3,3/4 MT BLK



TE Part #MB8U

MOUNT,BMM,3/4,58U STD,17FT58U

Documents

Product Drawings

OMNI,SB,PH,902-928MHz 3,3/4 NMO

English

OMNI,SB,PH,902-928MHz 3,3/4 NMO

English

Datasheets & Catalog Pages

800 MHz - 5.8 GHz Antennas

English

Agency Approvals

UK Declaration of Conformity

English