TRAB24003N ✔ ACTIVE

TE Internal #: TRAB24003N

Baton/Stick Antenna, Single Band, ISM, External Mount, Connector Mount, NMO, Omnidirectional, Single Port, 0 < 3 dBi Peak Gain

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Antennas



Communication Protocol: **LoRaWAN**

Mounting Location: **External**

Mounting Type: **Connector Mount**

Frequency Category: **901 – 941**

Antenna Type: **Baton/Stick**

Features

Product Type Features

Antenna Termination	NMO
Antenna Product Type	Antenna

Configuration Features

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

Electrical Characteristics

Antenna Operation	Passive
VSWR (Max)	< 2.0:1

Signal Characteristics

Frequency Band	902 – 928 MHz
Frequency Category	901 – 941
Peak Gain	0 < 3 dBi

Mechanical Attachment

Mount Product Type	Through-Hole
Polarization	Linear

Mounting Type	Connector Mount

Operation/Application

Option	Connector Preinstalled
Antenna Environment	Outdoor
Wireless Standard	915 ISM & ZigBee US
Directionality	Omnidirectional

Industry Standards

IP Rating	IP67
Communication Protocol	LoRaWAN
Primary Application	ISM

Product Availability

Applicable Region	Worldwide

Packaging Features

Packaging Method	Box

Other

Precision Level	Standard

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 # G8U
MOUNT,MGM,3/4,58U CHR,STD, 12FT58U



TE Part # TM8
MTM, 58A CHR, STD, 17FT



TE Part # NMOHPCN518
MOUNT,BMM,3/4,A195



TE Part # MB8U
MOUNT,BMM,3/4,58U STD,17FT58U

Customers Also Bought



TE Part #GB8TI15
MOUNT,MGM,3/4,58A,TNCM



TE Part #BB8962N
WHIP,MC,1/2,896-970MHz TUN,2.4,BK, NGP,



TE Part #CAT-H3930-CH8172
DEUTSCH HD30 Housings



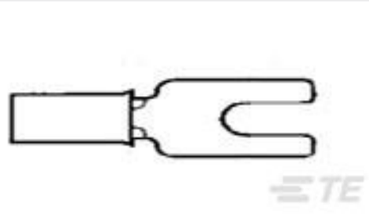
TE Part #BB4502N-L
WHIP,MC,1/2,450-470MHZ TUN,2.0, BK,NGP



TE Part #BB4302N
WHIP,MC,1/2,430-450MHZ TUN,2.4, BK,NGP,



TE Part #31499
TERMINAL,BUDG R 16-14 3/8



TE Part #33221
TERMINAL,BUDG SPD 16-14 6



TE Part #L9000163-01
Antenna Dome 916MHz 1.32 150 UFL



TE Part #MABTO
MOUNT,BMM,3/8 1/4

Documents

Datasheets & Catalog Pages

ANT-DS-Phantom-NGP

English

Agency Approvals

UK Declaration of Conformity

English