BB4503S ✔ ACTIVE

TE Internal #: BB4503S

Whip Antenna, Single Band, UHF / Vehicular, External Mount, Stud /Screw/Lug Mount, NMO, Omnidirectional, Single Port, 0 < 3 dBi Peak Gain

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Antennas



Communication Protocol: **UHF, Vehicular**

Mounting Location: **External**

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

Frequency Category: **350 – 520**

Antenna Type: **Whip**

Features

Product Type Features

Antenna Termination	NMO
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Whip
Mounting Location	External
Antenna Type	Whip
Band Type	Single Band
Port Configuration	Single Port

Signal Characteristics

Frequency Band	450 – 470 MHz
Gain (Max)	3 dB
Frequency Category	350 – 520
Peak Gain	0 < 3 dBi

Mechanical Attachment

Mounting Type	Stud/Screw/Lug Mount

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

Communication Protocol	UHF, Vehicular
Primary Application	UHF, Vehicular

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.

Customers Also Bought



TE Part #FG1403
OMNI,FG,140-144MHZ,200W 142MHz, 5dBi



TE Part #ETRAB4503
OMNI,PHE,NMO,450-470MHz, BLK, 3,150



TE Part #FG24005
OMNI,FG,2400-2485MHZ 2442.5MHz, 3dBd



TE Part #ETRAB8063
OMNI,PhE,NMO,806-866MHZ 3,BLK, NMO,



TE Part #BB4505CNS
WHIP,MC,CC,450-470MHZ TUN,5,BK, NGP,SPRIN



TE Part #LBBMB8U
MOUNT,MIR,3/4,58U



TE Part #BB1443
WHIP,MC,5/8,144-174MHZ TUN,3,BK, GP,



TE Part #G195TI
MOUNT,MGM,3/4,A195,TNCM

TE Part #BB4505CN
WHIP,MC,CC,450-470MHZ TUN,5,BK, NGP,



TE Part #LBTB3400
MOUNT,TKG,3/4 BLK,STD,L BRKT

Documents

Datasheets & Catalog Pages

Mobile Load Coil Antennas

English

Agency Approvals

UK Declaration of Conformity

English