B3803WS ✔ ACTIVE

TE Internal #: B3803WS

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	380 – 520 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) Candidate List Declared Against: Not Yet Reviewed SVHC > Threshold: Pb (2.77% in Component) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # B3803W
WHIP,MC,1/4,380-520 MHz 450,3 dBi, CH,GP,

Customers Also Bought



TE Part #FG1523
OMNI,FG,152-156MHZ,200W 154MHz, 5dBi



TE Part #B4505CS
WHIP,MC,CC,450-470MHZ, TUN,5,CH, GP,SPRIN



TE Part #QW152-L
WHIP, QW, 1/4,152-162MHz 157, 0dB, CH, G



TE Part #FG8063
OMNI,FG,806-866 MHz,200W 836MHz, 3dBd



TE Part #QWB450-L
WHIP, QW, 1/4,450-470MHz 460, 0dB, BK, G



TE Part #QW450
WHIP, QW, 1/4,450-470MHz 460, 0dB, CH, G



TE Part #FG4500
OMNI,FG,450-470MHZ,100W 460MHz, 2dBi



TE Part #FG3803
OMNI,FG,380-406MHZ,100W 393MHz, 5dBi



TE Part #VTPM800
MOUNT ETRA THK PLATE KIT 800



TE Part #CMUHF58-L
CONN,MUHFM MUHFM FOR RG58

Documents

Datasheets & Catalog Pages

UHF WIDEBAND ANTENNA

English

Agency Approvals

UK Declaration of Conformity

English