AB450S ✔ ACTIVE

TE Internal #: AB450S

Whip Antenna, Single Band, UHF, External Mount, NMO, Omnidirectional, Single Port, < 0 dBi Peak Gain

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Antennas



Communication Protocol: **UHF**

Mounting Location: **External**

Frequency Category: **410 – 470**

Antenna Type: **Whip**

Antenna Termination: **NMO**

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

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<1.5

Signal Characteristics

Frequency Band	450 – 470 MHz
Gain (Max)	0 dB
Frequency Category	410 – 470
Peak Gain	< 0 dBi

Mechanical Attachment

Polarization	Linear

Operation/Application

Option	Connector Preinstalled
Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

Communication Protocol	UHF
Primary Application	UHF

Product Availability

Applicable Region	Global

Packaging Features

Packaging Method	Bag & 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) Candidate List Declared Against: Not Yet Reviewed SVHC > Threshold: Pb (2.58% 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 # NMOHPCN518
MOUNT,BMM,3/4,A195



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



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



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

Customers Also Bought



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



TE Part #MB8U25
MOUNT,BMM,3/4,58U



TE Part #LBMB8U
MOUNT,MIR,3/4,58U



TE Part #CCT
MISCACC,CT,G-CT,



TE Part #A450S-L
WHIP, AB, 1/4, 450-470,



TE Part #TMB8U
MTM, 58U



TE Part #QWB152-L
WHIP, QW, 1/4,152-162MHz 157, 0dB, BK, G



TE Part #TRAB4500N
OMNI,Ph,NMO,450-470MHz BLK, 0,150,NGP



TE Part #CN58

CONN,NM, NM, CRIMP FOR RG58



TE Part #CMUHF58-L

CONN,MUHFM MUHFM FOR RG58

Documents

Agency Approvals

UK Declaration of Conformity

English