FR450 ✔ ACTIVE

TE Internal #: FR450

Baton/Stick Antenna, Single Band, UHF, External Mount, Pole/Mast /Bracket Mount, N-type, Omnidirectional, Single Port, 0 < 3 dBi Peak Gain

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Antennas



Communication Protocol: **UHF**

Mounting Location: **External**

Mounting Type: **Pole/Mast/Bracket Mount**

Frequency Category: **410 – 470**

Antenna Type: **Baton/Stick**

Features

Product Type Features

Antenna Termination	N-type
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

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<1.5:1

Signal Characteristics

Frequency Band	450 – 470 MHz
Gain (Max)	3 dB
Frequency Category	410 – 470
Peak Gain	0 < 3 dBi

Body Features

Antenna Weight	480 g[16.9 oz]

Mechanical Attachment

Polarization	Linear
Mounting Type	Pole/Mast/Bracket Mount

Dimensions

	33.5 in
Product Height	863.6 mm

Operation/Application

Option	Connector Preinstalled
Antenna Environment	Outdoor
Wireless Standard	TETRA: 380 - 470 MHz
Directionality	Omnidirectional

Industry Standards

Communication Protocol	UHF
Primary Application	UHF

Product Availability

Applicable Region	Global

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 # FRX450
Omni,FG,450-470MHz,150W



TE Part # FM2
MOUNT,HD,2.5 MAST

Customers Also Bought



TE Part #SBT3400
MOUNT,BKT, 3/4IN HOLE



TE Part #QW470-L
WHIP, QW, 1/4,470-490MHz 480, 0dB, CH, G



TE Part #TRABT1500
OMNI,PH,NMO,150-168 BLK,0,60



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



TE Part #HS34-L
MISCACC,HS,3/4HOLE



TE Part #MB8M
MOUNT,BMM,3/4,58A STD,17FT58A



TE Part #HS34RB
MISCACC,REPLACMENT BLADE FOR HOLESAW



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

Documents

Datasheets & Catalog Pages

Fiberglass Omni Antennas 380-512MHz

English

Agency Approvals

UK Declaration of Conformity

English