FG4503 ✔ ACTIVE

FG Series

TE Internal #: FG4503

Baton/Stick Antenna, Single Band, UHF, External Mount, Pole/Mast /Bracket Mount, N-type, Omnidirectional, Single Port, 3 < 6 dBi Peak Gain, FG Series

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Antennas



Communication Protocol: **UHF**

Mounting Location: **External**

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

Frequency Category: **350 – 520**

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

Signal Characteristics

Frequency Band	450 – 460 MHz
Gain (Max)	5.15 dB
Frequency Category	350 – 520
Peak Gain	3 < 6 dBi

Mechanical Attachment

Mounting Type	Pole/Mast/Bracket Mount

Operation/Application

Antenna Environment	Outdoor

Directionality	Omnidirectional

Industry Standards

Communication Protocol	UHF
Primary Application	UHF

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.

Compatible Parts



TE Part # FM2
MOUNT,HD,2.5 MAST



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

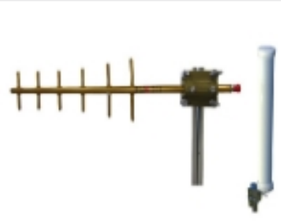


TE Part # FG4505
OMNI,FG,450-460MHZ,100W 455MHz, 7dBi

Also in the Series | FG Series



ISM, LPWAN & LoRaWAN Antennas (15)



Outdoor Antennas(43)



Public Safety Antennas(43)

Customers Also Bought



TE Part #FG4505W
OMNI,FG,450-470MHZ,100W 460MHz, 7dBi



TE Part #FM2
MOUNT,HD,2.5 MAST



TE Part #FG4603
OMNI,FG,460-470MHZ,100W 465MHz, 5dBi



TE Part #FM2SP
MOUNT,HD,2.5 MAST



TE Part #Y4503
YAGI,FWG,3,450-470MHz



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 #FG1520
OMNI,FG,152-156MHZ,200W 154MHz, 2dBi



TE Part #CBNC58-L
CONN,BNCM

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

Documents

Datasheets & Catalog Pages

OMNI-DIRECTIONAL ANTENNAS FG4503 (450-460 MHz)

English

ANT-DS-FG-UHF-Series

English

Agency Approvals

UK Declaration of Conformity

English