# FG4505 ✔ ACTIVE

FG Series

TE Internal #: FG4505

Baton/Stick Antenna, Single Band, UHF, External Mount, Pole/Mast /Bracket Mount, N-type, Omnidirectional, Single Port, > 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) | 7.15 dB |
| Frequency Category | 350 – 520 |
| Peak Gain | > 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)<br>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 # FG4505W
OMNI,FG,450-470MHZ,100W 460MHz, 7dBi



TE Part # FM2
MOUNT,HD,2.5 MAST



TE Part # FG4507
OMNI,FG,450-460MHZ,100W 455MHz, 9dBi



TE Part # FG4503
OMNI,FG,450-460MHZ,100W 455MHz, 5dBi



TE Part # SMK
Mount,HD,For Mnt. Topper

## 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 #TRAB4503
OMNI,PH,MNO,450-470 BLK,3,150,3/4 TRN MT



TE Part #QW8963
WHIP, QW, 5/8,896-970MHz 928, 3dB, CH, G



TE Part #FG4605
OMNI,FG,460-470MHZ,100W 465MHz, 7dBi



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



TE Part #TRAT1500
OMNI,PH,NMO,150-168 WHT,0,60



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



TE Part #G8BI
MOUNT,MGM,3/4,58A,BNCM I,CMP, CHR,STD,12F



TE Part #G8UM
MOUNT,MGM,3/4,58U,MUHFM CHR, STD,12FT58U

## Documents

### Datasheets & Catalog Pages

450-460 MHz 7dBi GAIN OMNIDIRECTIONAL ANTENNA

English

ANT-DS-FG-UHF-Series

English

### Agency Approvals

UK Declaration of Conformity

English