



Antennas



Communication Protocol: **LoRaWAN**

Mounting Location: **External**

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

Frequency Category: **901 – 941**

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     | 902 – 928 MHz |
| Gain (Max)         | 8 dB          |
| Frequency Category | 901 – 941     |
| Peak Gain          | > 6 dBi       |

Mechanical Attachment

|               |                         |
|---------------|-------------------------|
| Mounting Type | Pole/Mast/Bracket Mount |
|---------------|-------------------------|

Operation/Application

|                     |         |
|---------------------|---------|
| Antenna Environment | Outdoor |
|---------------------|---------|



Directionality

Omnidirectional

Industry Standards

|                        |         |
|------------------------|---------|
| Communication Protocol | LoRaWAN |
| Primary Application    | LoRaWAN |

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: FEB 2026 (253)<br>Candidate List Declared Against: Not Yet Reviewed<br>SVHC > Threshold:<br>Pb (4% in Component)<br><b>Article Safe Usage Statements:</b><br>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                               | 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 # FG9023  
OMNI,FG,902-928MHZ 915MHz,3dBd

Also in the Series | **FG Series**

ISM, LPWAN & LoRaWAN Antennas  
(15)

Outdoor Antennas(43)

Public Safety Antennas(43)

Customers Also Bought

TE Part #BB8962N  
WHIP,MC,1/2,896-970MHz TUN,2.4,BK,NGP,

TE Part #Y8963  
YAGI,FWG,3,896-970MHz, 6dBi

TE Part #TRA24003P  
OMNI,Ph,2400-2500MHz 3,P MT

TE Part #PC904N  
Yagi,FWA,12in,NF 896-980MHz,6dBd

TE Part #G450TN  
DUCK,G,450-470MHz TNCM

TE Part #Y8966  
YAGI,FWG,6,896-970MHz 16,9dBi

TE Part #FM2  
MOUNT,HD,2.5 MAST

TE Part #YM78  
MOUNT,HDK78

TE Part #FG9023  
OMNI,FG,902-928MHZ 915MHz,3dBd

TE Part #SP6-230-BFF  
Surge,GasWB,DC-6GHz,NFB NF,230V



Documents

Product Drawings

OMNI,FG,902-928MHZ 915MHz,6dBd

English

Datasheets & Catalog Pages

Omnidirectional Antenna 902-928 MHz

English

Agency Approvals

UK Declaration of Conformity

English