



Antennas



Wireless Application: ISM, LoRaWAN, Zigbee

Mounting Location: Internal/Embedded

Mounting Type: Adhesive

Frequency Category: 698 - 960

Antenna Type: Flexible PCB (FPC)

Features

Product Type Features

|                      |                       |
|----------------------|-----------------------|
| Antenna Product Type | Antenna               |
| Antenna Termination  | MHF, MHF1, U.FL, UMCC |

Configuration Features

|                   |                    |
|-------------------|--------------------|
| Antenna Style     | Flexible PCB       |
| Mounting Location | Internal/Embedded  |
| Antenna Type      | Flexible PCB (FPC) |
| Band Type         | Single Band        |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Antenna Operation | Passive |
| VSWR (Max)        | <2.5:1  |
| Impedance         | 50 Ω    |

Signal Characteristics

|                |                |
|----------------|----------------|
| Gain (Max)     | 3.2 dB, 4.5 dB |
| Frequency Band | 868 - 915 MHz  |



|                    |           |
|--------------------|-----------|
| Frequency Category | 698 - 960 |
| Peak Gain          | 3 < 6 dBi |

Body Features

|                |             |
|----------------|-------------|
| Product Weight | 1 g[.35 oz] |
|----------------|-------------|

Mechanical Attachment

|               |          |
|---------------|----------|
| Polarization  | Linear   |
| Mounting Type | Adhesive |

Dimensions

|                                 |                  |
|---------------------------------|------------------|
| Cable Insulation Diameter (Max) | 1.13 mm[.044 in] |
| Cable Length                    | .15 m[.49 ft]    |
| Product Width                   | 9 mm[.354 in]    |
| Product Length                  | 38 mm[1.49 in]   |
| Product Height                  | .19 mm[.007 in]  |

Operation/Application

|                |                 |
|----------------|-----------------|
| Directionality | Omnidirectional |
|----------------|-----------------|

Industry Standards

|                      |                      |
|----------------------|----------------------|
| Wireless Application | ISM, LoRaWAN, Zigbee |
| Primary Application  | ISM, LoRaWAN, Zigbee |

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                                   |
| EU ELV Directive 2000/53/EC                   | Compliant                                   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold     |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2024 (240) |



Candidate List Declared Against: JAN 2021 (211)  
Does not contain REACH SVHC

|                           |                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------|
| Halogen Content           | Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free |
| Solder Process Capability | Not applicable 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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 2334884-1  
UMCC Micro-Coax receptacle, Gen 4



TE Part # 2337019-1  
UMCC Micro-Coax receptacle, Gen 1

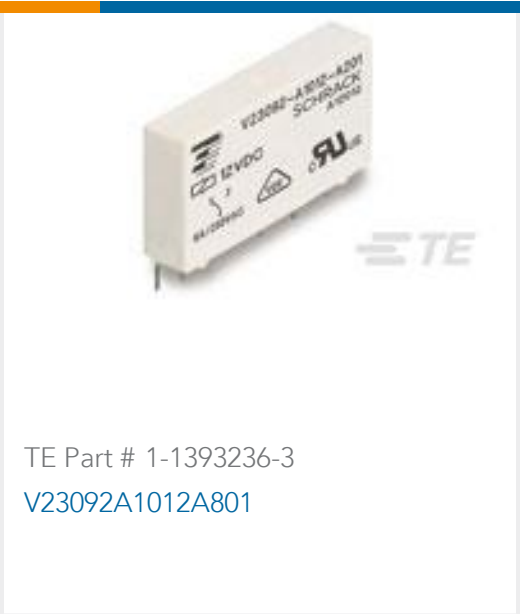
Customers Also Bought



TE Part # 2-1462037-7  
IM06TS=IM RELAY 140mW 12V



TE Part # 4-2176231-9  
3522 1K0 1% 3W



TE Part # 1-1393236-3  
V23092A1012A801



TE Part # 3-1676481-9  
CPF 0603 220R 0.1% 25PPM 1K RL





TE Part # 100616-1

8/8 MOD.JACK ASSY TE SHIELDED



TE Part # ANT-868-CW-QW

Antenna 1/4 Wave Whip 868MHz



TE Part # ANT-915-IPW1-RPS

Antenna Whip IP67 915MHz LPWA Swivel RPS



TE Part # ANT-W63-SPNF1

Antenna WiFi6/6E Dome N Jack

TE Part # 2016460-1

RF C/A, SSMT R/A J TO SSMT R/A J, 230MM

Documents

Product Drawings

ISM 868 / 915 MHz ANTENNA

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2195835-3\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2195835-3\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2195835-3\_A.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

ISM 868 / 915 MHz ANTENNA

English

Product Specifications

Product Specification

English