



Antennas



Wireless Application: 5G, 5G 3500, 5G 4000, 5G 5000, GNSS, LTE

Mounts To: Chassis

Mounting Retention Type: Printed Circuit Board

Antenna Connection Type: SMA

Antenna Connector Type: SMA - Male

**Features**

**Product Type Features**

Antenna Connection Type	SMA
Antenna Connector Type	SMA - Male

**Configuration Features**

Band Type	7 Band, LTE Band
Antenna Protocol	LTE / UMTS / US DUAL / EU TRIVAND / WCDMA
Number of Ports	1
Antenna Style	External
Antenna Type	Enclosure

**Electrical Characteristics**

VSWR (Max)	<3:1
Impedance	50 Ω
Active Antenna	No

**Signal Characteristics**

Frequency Band	1420 – 1610 MHz, 1710 – 2700 MHz, 3300 – 3800 MHz, 4400 – 5000 MHz, 5150 – 5925
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	MHz, 790 – 960 MHz
Gain (Max)	.98 dB, 0 dB, 1 dB, 1.5 dB, 2.4 dB, 3 dB

### Body Features

Product Weight	16 g[.564 oz]
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### Mechanical Attachment

Region	Global
Polarization	Linear
Mounts To	Chassis
Mounting Retention Type	Printed Circuit Board

### Dimensions

Product Length	135.89 mm[5.3 in]
Product Width	20 mm[.787 in]
Product Height	20 mm[.787 in]

### Usage Conditions

Application by Region	5G - 3300 - 5000 MHz, LTE All Band - 1710 – 2700 MHz, LTE All Band - 698 – 960 MHz
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### Operation/Application

Wireless Standard	5G 3300-5000, L1/GPS Glonass Galileo, LTE, UMTS, GSM
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### Industry Standards

Wireless Application	5G, 5G 3500, 5G 4000, 5G 5000, GNSS, LTE
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### Packaging Features

Packaging Method	Bag & Box
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### Other

Precision Level	Standard
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### 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: JUN 2020 (209)

Candidate List Declared Against: JAN 2020  
(205)

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 Model / Part # 2032440-1  
C/A, UMCC TO SMA BHD JACK, 1.37 MM L200MM



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



TE Model / Part # 2032440-4  
C/A, UMCC TO SMA BHD JACK, 1.3



TE Model / Part # 2016682-4  
RF CA,SMA BK TO UMCC GEN1,1.13, L200MM



TE Model / Part # 5-1814400-2  
SMA R/A PCB Skt GZD



TE Model / Part # 2016682-2  
RF CA,SMA BK TO UMCC GEN1,1.13, L100MM



TE Model / Part # 5-1814832-2  
SMA Str PCB Skt GZD



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



### Customers Also Bought





## Documents

### Product Drawings

#### EXTERNAL FULL BAND ANTENNA

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2195729-2\\_1.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2195729-2\\_1.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2195729-2\\_1.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

#### 2195729 datasheet

English