



## Antennas



Wireless Application: CDMA 1900, CDMA 850, GSM, GSM 1800, GSM 900, ISM, LTE, UMTS, ZigBee

Mounts To: **Non Conductive Surface**Mounting Retention Type: **Adhesive**Antenna Connection Type: **Cable Assembly**Antenna Connector Type: **MHF****Features****Product Type Features**

Antenna Connection Type	Cable Assembly
Antenna Connector Type	MHF

**Configuration Features**

Band Type	5 Band
Antenna Protocol	LTE World Band
Number of Ports	1
Antenna Style	Embedded
Antenna Type	PCB

**Electrical Characteristics**

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

**Signal Characteristics**

Frequency Band	1710 – 1880 MHz, 1850 – 1990 MHz, 1920 – 2170 MHz, 2300 – 2700 MHz, 698 – 960 MHz, 824 – 894 MHz, 868 – 870 MHz, 880 – 960 MHz
Gain (Max)	3.9 dB

**Body Features**



Product Weight	4.2 g[.1482 oz]
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### Mechanical Attachment

Region	Americas, EU, Global
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Polarization	Linear
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Mounts To	Non Conductive Surface
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Mounting Retention Type	Adhesive
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### Dimensions

Cable Length	120 mm[4.724 in]
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Product Length	110 mm[4.33 in]
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Product Width	14 mm[.551 in]
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Product Height	.02 mm[.052 in]
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### Usage Conditions

Application by Region	CDMA - Americas - 1850 – 1990 MHz, CDMA - Americas - 824 – 894 MHz, GSM - Americas - 1850 – 1990 MHz, GSM - Americas - 824 – 894 MHz, GSM - EU - 1710 – 1880 MHz, GSM - EU - 880 – 960 MHz, ISM - 698 – 960 MHz, ISM - EU - 868 – 870 MHz, LTE - Americas - 824 – 894 MHz, LTE - EU - 1710 – 1880 MHz, LTE - EU - 880 – 960 MHz, LTE - Global - 1920 – 2170 MHz, LTE All Band - 2300 – 2700 MHz, LTE All Band - 698 – 960 MHz, UMT - Global - 1920 – 2170 MHz, ZigBee - EU - 868 – 870 MHz
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### Operation/Application

Wireless Standard	LTE, UMTS, US Dual, EU Triband & WCDMA
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### Industry Standards

Wireless Application	CDMA 1900, CDMA 850, GSM, GSM 1800, GSM 900, ISM, LTE, UMTS, ZigBee
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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: JUN 2020 (209) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 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 # 2337019-1  
UMCC Micro-Coax receptacle, Gen 1


## Customers Also Bought



TE Model / Part #2328823-3  
LUMAWISE Endurance S Domes



TE Model / Part #3-2328724-1  
0.3mm FPC Connectors



TE Model / Part #154N-005G-RT  
MEDIA ISOLATED PRESSURE STOCK LIST



TE Model / Part #6-1676123-6  
1/2W SM M/OX 5% 430R



## Documents

### Product Drawings

4G World Band, MetaSpan, PCB, Chas

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2118308-1\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2118308-1\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2118308-1\\_C.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

Antenna Data Sheet 698-960, 1710-2170 & 2300-2700 MHz LTE/Cell Band Antenna

English