



Antennas



Communication Protocol: 5G

Mounting Location: Internal/Embedded

Mounting Type: Surface Mount

Frequency Category: 617 – 6000

Antenna Type: Chip

Features

Product Type Features

Antenna Termination	SMT
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Chip
Mounting Location	Internal/Embedded
Antenna Type	Chip
Band Type	Multi Band
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<4.5:1

Signal Characteristics

Frequency Band	617 – 7125 MHz
Gain (Max)	1.8 dB



Frequency Category	617 – 6000
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Peak Gain	3 < 6 dBi
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Body Features

Antenna Weight	4 g[.141 oz]
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Mechanical Attachment

Polarization	Linear
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Mounting Type	Surface Mount
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Dimensions

Product Width	5 mm[.196 in]
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Product Length	40 mm[1.574 in]
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Product Height	6 mm[.236 in]
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Operation/Application

Wireless Standard	Cellular
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Directionality	Omnidirectional
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Industry Standards

Communication Protocol	5G
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Primary Application	5G
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Product Availability

Applicable Region	Global
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Packaging Features

Packaging Method	Emboss on Reel
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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
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EU ELV Directive 2000/53/EC	Not Yet Reviewed
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250)
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Candidate List Declared Against: JUNE 2024 (241)
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 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 # L000657-01
SPLATCH 5G/LTE GLOBAL WIDEBAND CHIP ANT

TE Part # L000682-01
SPLATCH 5G/LTE EUROPE WIDEBAND CHIP ANT

TE Part # L000938-80
Evaluation Board for L000938-01

TE Part # 2108784-2
PCB ANTENNA, SMD, 698-6000MHz

TE Part # ANT-LTE-CER-T
Antenna CER LTE 37x5 SMT T&R

TE Part # 2108783-2
PCB ANTENNA, SMD, 617-3800MHz

Documents

Product Drawings
Ceramic Antenna, 5G Full Band
English



CAD Files

Customer View Model

[ENG_CVM_CVM_L000938-01_4.3d_igs.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_L000938-01_4.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L000938-01_4.2d_dxf.zip](#)

English

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

Datasheets & Catalog Pages

[L000938 5G 617-5925MHz Ceramic SMD Antenna](#)

English

Product Specifications

[Qualification plan for Ceramic Chip antenna](#)

English