

L000801-80  ACTIVE

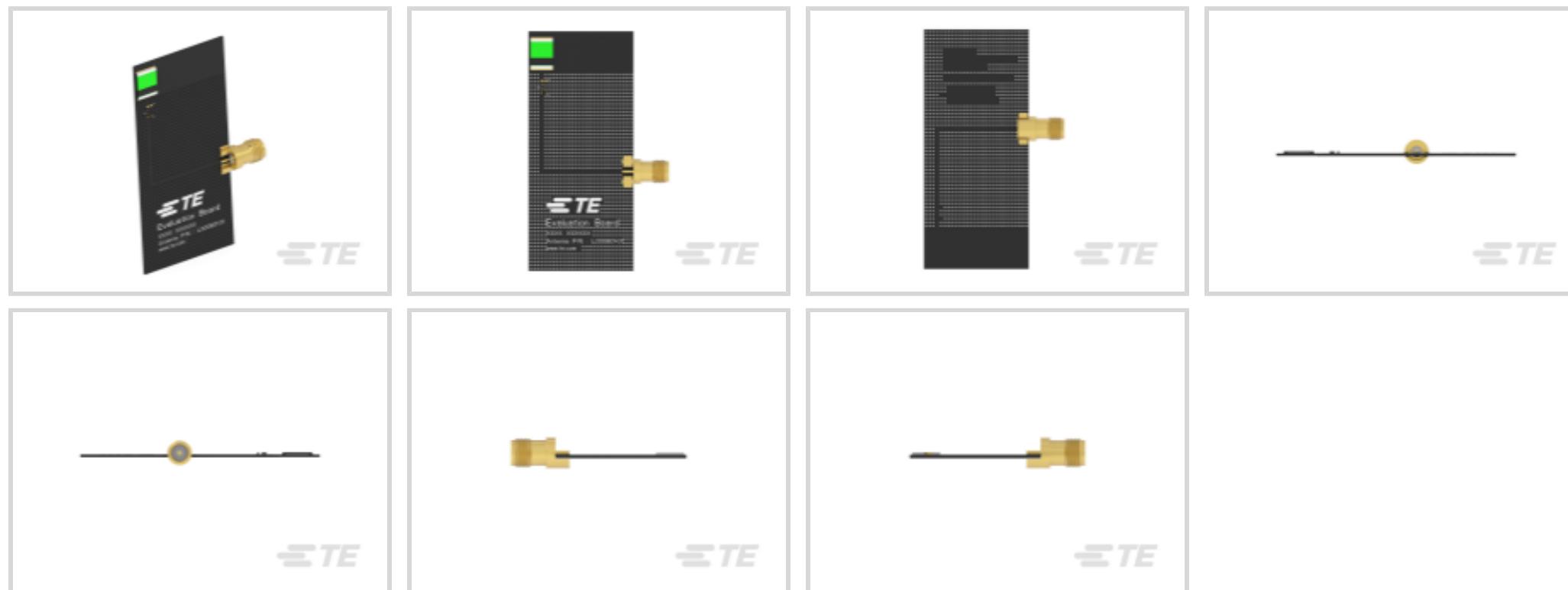
TE Internal #: L000801-80

Chip Antenna, Wide Band, UWB, Internal/Embedded Mount,
Printed Circuit Board, SMA, Omnidirectional, Single Port, Gain 3 <
6 dBi

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Antennas



Wireless Application: **UWB**

Mounting Location: **Internal/Embedded**

Mounting Type: **Printed Circuit Board**

Antenna Type: **Chip**

Antenna Termination: **SMA**

Features

Product Type Features

Antenna Termination	SMA
Antenna Product Type	Antenna

Configuration Features

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

Electrical Characteristics

Antenna Operation	Passive
VSWR (Max)	<3:1
Impedance	50 Ω

Signal Characteristics

Gain (Max)	1.8 dB
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Frequency Band	3500 – 8500 MHz
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Peak Gain	3 < 6 dBi
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Body Features

Product Weight	10 g [.35274 oz]
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Mechanical Attachment

Polarization	Linear
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Mounting Type	Printed Circuit Board
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Dimensions

Product Width	64 mm [2.519 in]
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Product Length	28 mm [1.102 in]
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Product Height	1.28 mm [.05 in]
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Operation/Application

Antenna Environment	Indoor
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Wireless Standard	UWB
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Directionality	Omnidirectional
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Industry Standards

Wireless Application	UWB
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Primary Application	UWB
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Product Availability

Applicable Region	Worldwide
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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
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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	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240)
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Candidate List Declared Against: JUNE

2023 (235)

SVHC > Threshold:

Melamine (.11% in Component Part)

Article Safe Usage Statements:

Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Halogen - Br, Cl, F, I < 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 # L000801-01
UWB Ceramic chip antenna

Documents

Product Drawings[UWB Ceramic chip Ant with EVB assy](#)

English

CAD Files[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_L000801-80_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L000801-80_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_L000801-80_1.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.**Datasheets & Catalog Pages**[UWB_Ceramic_Chip_flyer](#)

English

[UWB CERAMIC CHIP ANTENNA](#)

English

Product Specifications[Product Specification](#)

English