

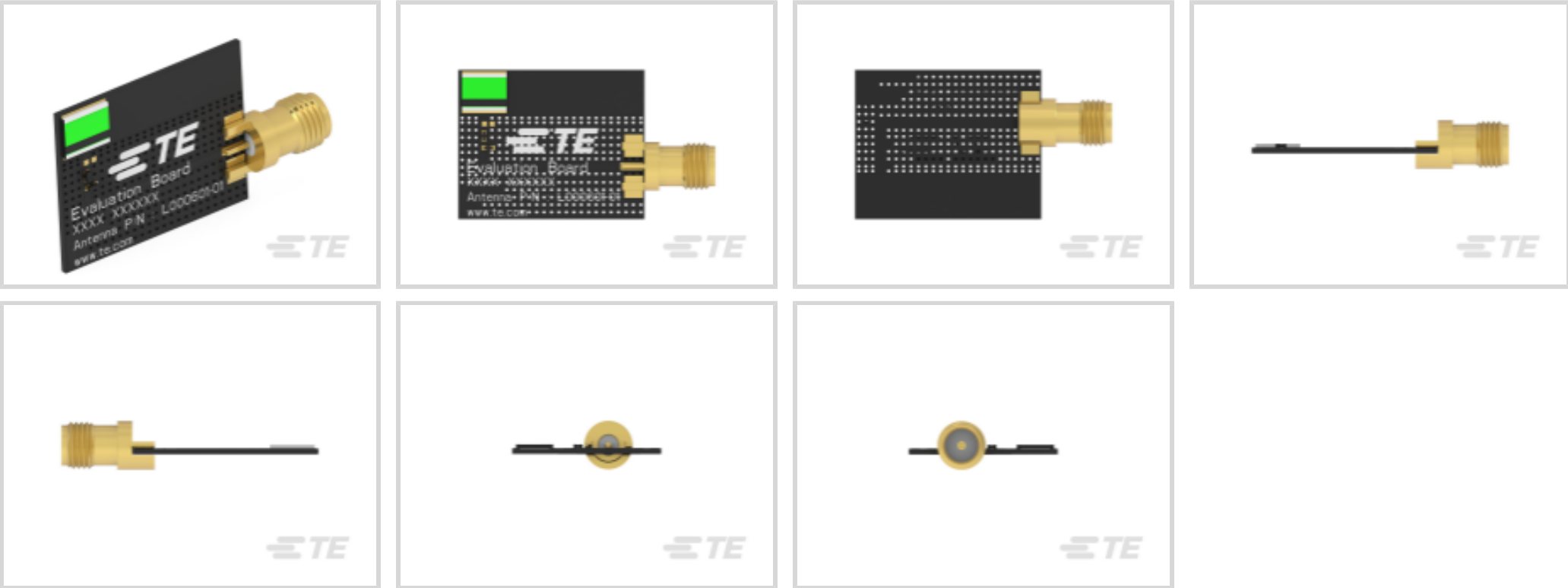


TE Internal #: L000601-80

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

[View on TE.com >](#)

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)	<3.5:1
Impedance	50 Ω

Signal Characteristics

Gain (Max)	1.5 dB
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Frequency Band	6000 – 8250 MHz
Peak Gain	3 < 6 dBi

Body Features

Product Weight	3 g[.105 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Printed Circuit Board

Dimensions

Product Width	20 mm[.787 in]
Product Length	25 mm[.984 in]
Product Height	1.28 mm[.05 in]

Operation/Application

Antenna Environment	Indoor
Wireless Standard	UWB
Directionality	Omnidirectional

Industry Standards

Wireless Application	UWB
Primary Application	UWB

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
EU ELV Directive 2000/53/EC	Not Yet Reviewed
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: 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 # L000601-01
UWB Ceramic chip antenna

Documents

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

CAD Files
Customer View Model
[ENG_CVM_CVM_L000601-80_1.2d_dxf.zip](#)
English



3D PDF

3D

Customer View Model

ENG_CVM_CVM_L000601-80_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_L000601-80_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