

DBA6171C4-BSMAM ✓ ACTIVE

TE Internal #: DBA6171C4-BSMAM

Blade Antenna, Wideband, Cat-M/NB-IoT / Cellular, External Mount, Connector, SMA, Omnidirectional, Single Port, Gain 3 < 6 dBi

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Antennas



Wireless Application: **Cat-M/NB-IoT, Cellular**

Mounting Location: **External**

Mounting Type: **Connector**

Antenna Termination: **SMA**

Antenna Type: **Blade**

Features

Product Type Features

Antenna Termination	SMA
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Configuration Features

Antenna Style	Whip
Mounting Location	External
Antenna Type	Blade
Band Type	Wideband
Port Configuration	Single Port

Electrical Characteristics

Antenna Operation	Passive
VSWR (Max)	< 2.0:1, <2.3:1, <2.5:1, <3.5:1
Impedance	50 Ω

Signal Characteristics

Gain (Max)	1 dB, 2.1 dB, 3.9 dB, 4.4 dB
Frequency Band	620 – 698 MHz, 698 – 960 MHz, 1427 – 1606 MHz, 1710 – 2200 MHz, 2300 – 2700 MHz,



5150 – 6000 MHz

Nominal Frequency Range

617 – 7125

Peak Gain

3 < 6 dBi

Body Features

Product Weight

30 g[1.058 oz]

Mechanical Attachment

Polarization

Vertical Linear

Mounting Type

Connector

Dimensions

Product Width

25 mm[.984 in]

Product Length

13.5 mm[.531 in]

Product Height

185 mm[7.283 in]

Operation/Application

Antenna Environment

Outdoor

Wireless Standard

Cellular

Directionality

Omnidirectional

Industry Standards

Wireless Application

Cat-M/NB-IoT, Cellular

Primary Application

Cat-M/NB-IoT, Cellular

Product Availability

Applicable Region

Global

Packaging Features

Packaging Method

Bag/Carton

Other

Precision Level

Standard

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU

Compliant with Exemptions

EU ELV Directive 2000/53/EC

Not Yet Reviewed

China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006



Current ECHA Candidate List: JUNE 2023
(235)

Candidate List Declared Against: JUNE 2022 (224)

SVHC > Threshold:

Pb (2.24% in Component part)

Pb (2.24% in Component part)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

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 # 2195889-1
Terminal Ant, 5G, SMA, 600-6000MHz



TE Part # DBA6171C3-BSMAM
DIPOL, SMAM, SWIVEL, 617-7125MHz, OUTDOOR TE



TE Part # DBA6927C1-FSMAM
DIPOL, DBA, SMAM, BLK, 90D 698-2700Mhz, 2dBi,



TE Part # 080-0001
CABLE, U.FL to SMA Bulkhd 1.13mm Dia, 105m



TE Part # 080-0013
CABLE, U.FL to SMA Bulkhd 1.13mm Dia, 105m



TE Part # 080-0014
CABLE, U.FL to SMA Bulkhd 1.13mm Dia, 210m



Documents

Product Drawings

[DIPOLE,SMAM,SWIVEL,617-7125MHz,OUTDOOR](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_DBA6171C4-BSMAM_AB.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DBA6171C4-BSMAM_AB.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DBA6171C4-BSMAM_AB.3d_igs.zip](#)

English

[3D PDF](#)

3D

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

Datasheets & Catalog Pages

[DIPOL,SWIVEL,617-7125MHz](#)

English

Product Specifications

[Product Specification](#)

English

Agency Approvals

[CE Declaration of Conformity](#)

English