

# ANT-868-JJB-ST ✓ ACTIVE

TE Internal #: ANT-868-JJB-ST

Dome/Puck Antenna, Single Band, LoRaWAN / LPWAN, Internal /Embedded Mount, Through-Hole/Tab Mount, Solder, Omnidirectional, Single Port, Gain < 0 dBi

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Antennas



Wireless Application: **LoRaWAN, LPWAN, Wi-Fi**

Mounting Location: **Internal/Embedded**

Mounting Type: **Through-Hole/Tab Mount**

Antenna Termination: **Solder**

Antenna Type: **Dome/Puck**

## Features

### Product Type Features

Antenna Termination	Solder
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### Configuration Features

Antenna Style	Dome
Mounting Location	Internal/Embedded
Antenna Type	Dome/Puck
Band Type	Single Band
Port Configuration	Single Port

### Electrical Characteristics

VSWR (Max)	<2.1:1
Impedance	50 $\Omega$

### Signal Characteristics

Frequency Band	868 MHz
Nominal Frequency Range	862 – 870
Peak Gain	< 0 dBi

### Body Features

Product Weight	.46 g[.01622 oz]
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### Mechanical Attachment

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Polarization	Linear
Mounting Type	Through-Hole/Tab Mount

### Dimensions

Product Width	7 mm[.28 in]
Product Length	17.6 mm[.69 in]
Product Height	0 mm[0 in]

### Operation/Application

Directionality	Omnidirectional
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### Industry Standards

Wireless Application	LoRaWAN, LPWAN, Wi-Fi
Primary Application	LoRaWAN, LPWAN

## 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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 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 # ANT-868-HESM  
Antenna 1/4 Wave Coil 868MHz SMT

TE Part # ANT-868-JJB-HT-T  
Antenna Mini Hi-Temp 868MHz THM T&R

TE Part # ANT-868-JJB-RA  
Antenna Mini R-Angle 868MHz THM T&R

TE Part # ANT-868-SP  
Antenna SP PCB RPC 868MHz SMT

TE Part # L9000152-01  
Antenna uSP PCB RPC 410 868MHz SMT T&R

## Customers Also Bought

TE Part #1981959-1  
PUSH PUSH SIM H1.87 SWITCH EMBOSS ASSY

TE Part #6-534206-4  
28 MODII VRT DR CE 100/115

TE Part #2842142-4  
8P,2MM,BRK HDR,DRVT,SMD,0.1AU, TR W/CAP

TE Part #4-2176337-3  
CRGCO 0402 33K 1%

TE Part #1-1634002-0  
MMCX R/A Plg Hex 50Ohm Gold RG174A/U, 18

TE Part #796683-3  
TERMI-BLOK PCB MOUNT 90 3P.

TE Part #1-2842102-0  
10P,2MM,BRK HDR,SRVT,SMD,0.1AU, TR W/CAP

TE Part #2118059-1  
WIMAX SINGLE BAND PCB Antenna



## Documents

### Product Drawings

[Antenna Mini Straight 868MHz THM](#)

English

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### Datasheets & Catalog Pages

[ANT-868-JJB-cc](#)

English