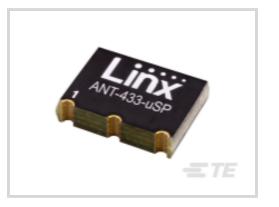
# ANT-433-USP <

TE Internal #: L9000121-01 PCB Antenna, Single Band, LoRaWAN / LPWAN, Internal /Embedded Mount, Surface Mount, Solder, Omnidirectional, Single Port, Gain < 0 dBi

View on TE.com >

Antennas



Wireless Application: LoRaWAN, LPWAN

Mounting Location: Internal/Embedded

Mounting Type: Surface Mount

Antenna Termination: Solder

Antenna Type: PCB

## Features

## Product Type Features

Configuration Features	
Antenna Termination	Solder
Antenna Product Type	Antenna



Antenna Style	PCB
Mounting Location	Internal/Embedded
Antenna Type	PCB
Band Type	Single Band
Port Configuration	Single Port
Electrical Characteristics	
VSWR (Max)	<2.1:1
Impedance	50 Ω
Signal Characteristics	
Frequency Band	433 MHz
Nominal Frequency Range	410 - 470
Peak Gain	< 0 dBi
Body Features	
Product Weight	.34 g[.01199 oz]

### ANT-433-USP

PCB Antenna, Single Band, LoRaWAN / LPWAN, Internal/Embedded Mount, Surface Mount, Solder, Omnidirectional, Single Port, Gain < 0 dBi



### **Mechanical Attachment**

Polarization	Linear
Mounting Type	Surface Mount
Dimensions	
Product Width	9.14 mm[.36 in]
Product Length	12.7 mm[.5 in]
Product Height	2.62 mm[.1 in]
Operation/Application	
Directionality	Omnidirectional
Industry Standards	
Wireless Application	LoRaWAN, LPWAN
Primary Application	LoRaWAN, LPWAN

### **Product Compliance**

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU

EU ELV Directive 2000/53/EC

Compliant

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) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
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.

## ANT-433-USP

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# **Compatible Parts**



# Customers Also Bought







## Documents

Product Drawings Antenna uSP PCB RPC 433MHz SMT

English

Datasheets & Catalog Pages ANT-433-USP

English

**S** For support call+1 800 522 6752

## ANT-433-USP

PCB Antenna, Single Band, LoRaWAN / LPWAN, Internal/Embedded Mount, Surface Mount, Solder, Omnidirectional, Single Port, Gain < 0 dBi



Sub-6 Cellular LTE-5G NR Frequency Band Guide

English

Virtual Antenna

English

Microsplatch Ground Plane Optimization

English