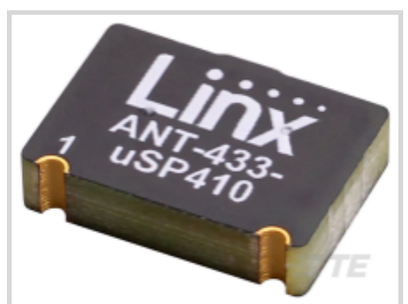
ANT-433-USP410-T ✔ ACTIVE

TE Internal #: ANT-433-USP410

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

View on TE.com >

Antennas



Antenna Type: **PCB**

Band Type: **Single Band**

Primary Application: **LoRaWAN, LPWAN**

Wireless Application: **LoRaWAN, LPWAN**

Mounting Location: **Internal/Embedded**

Features

Product Type Features

Antenna Termination	Solder
Antenna Product Type	Antenna

Configuration Features

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

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<1.5:1

Signal Characteristics

Frequency Band	433 MHz
Frequency Category	410 – 470
Peak Gain	< 0 dBi

Body Features

Product Weight	.6 g[.02116 oz]

Mechanical Attachment

Polarization	Linear
Mounting Type	Surface Mount

Dimensions

Product Width	9.14 mm[.36 in]
Product Length	13.2 mm[.52 in]
Product Height	2.9 mm[.11 in]

Operation/Application

Directionality	Omnidirectional

Industry Standards

Primary Application	LoRaWAN, LPWAN
Wireless Application	LoRaWAN, LPWAN

Packaging Features

Packaging Method	Reel/Carton

Product Compliance

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

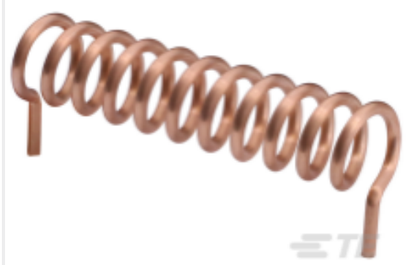
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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

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.

Customers Also Bought

TE Part #2176341-1
CRGCQ 0805 10R 1%

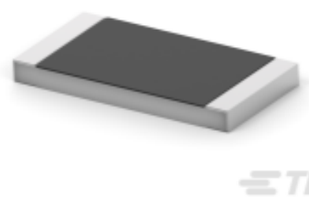
TE Part #T4112002081-000
M12,FEMALE,RA,A CODE,8P,PG9, GOLD



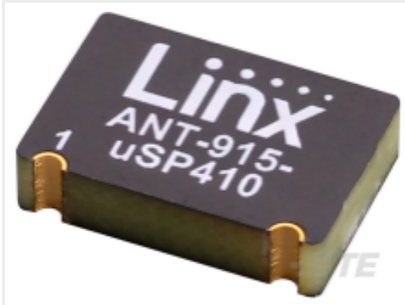
TE Part #ANT-433-HETH
Antenna 1/4 Wave Coil 433MHz THM

TE Part #925590-1
JPT REC 2.8 Contact SRC Sn

TE Part #2-1825910-8
FSM14JAH=6MM TACT SWITCH, HIGH TEMP



TE Part #CAT-C339-A76
SMD Power Resistor: 1 Watt, 3520 Series



TE Part #ANT-915-USP410
Antenna uSP PCB RPC 410 915MHz SMT T&R

TE Part #TXM-433-LR
Module LR 433MHz AM OOK TX XMTR

TE Part #LICAL-ENC-MS001
ENCODER MS IC CHIP RC PROTOCOL T&R

Documents

Product Drawings

Antenna uSP PCB RPC 410 433MHz SMT T&R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_ANT-433-USP410_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_ANT-433-USP410_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_ANT-433-USP410_1.3d_stp.zip

English

Datasheets & Catalog Pages

Embedded 433 MHz LPWA Antenna

English