ANT-433-PW-RA ✔ ACTIVE

TE Internal #: ANT-433-PW-RA

Terminal/Duck Antenna, Single Band, LPWAN / LoRaWAN, External Mount, Stud/Screw/Lug Mount, Solder, Omnidirectional, Single Port, Gain < 0 dBi

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Antennas

Wireless Application: **LoRaWAN, LPWAN**

Mounting Location: **External**

Mounting Type: **Stud/Screw/Lug Mount**

Frequency Category: **410 – 470**

Antenna Type: **Terminal/Duck**

Features

Product Type Features

Antenna Termination	Solder
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Whip
Mounting Location	External
Antenna Type	Terminal/Duck
Band Type	Single Band
Port Configuration	Single Port

Electrical Characteristics

VSWR (Max)	<2.1:1
Impedance	50 Ω

Signal Characteristics

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

Body Features

Product Weight	13.24 g[.46701 oz]

Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount

Dimensions

Product Width	7 mm[.28 in]
Product Length	131.5 mm[5.18 in]
Product Height	0 mm[0 in]

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

Wireless Application	LoRaWAN, LPWAN
Primary Application	LoRaWAN, LPWAN

Product Compliance

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

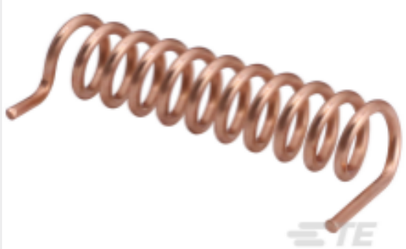
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (.31% 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	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

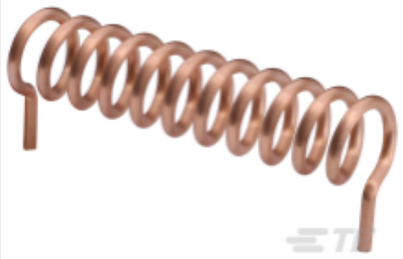
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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-433-HESM
Antenna 1/4 Wave Coil 433MHz SMT



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

TE Part # ANT-433-SP
Antenna SP PCB RPC 433MHz SMT

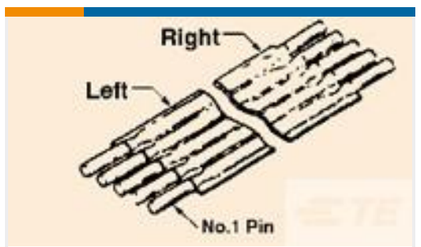
Customers Also Bought

TE Part #2199119-3
M.2 0.5PITCH 3.2H KEY B 15U'' AU

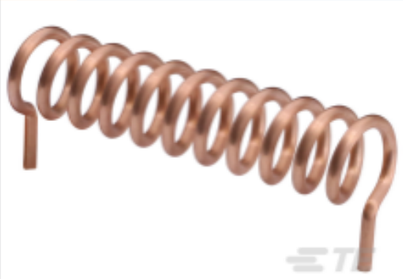
TE Part #2-66740-1
TYPE XII FEMALE CONT (LP)

TE Part #66261-5
MALE CONTACT ASSY. (L.P.)

TE Part #5-104074-4
20 SYSTEM 50 HDR SRRA SHRD SN



TE Part #9-6474612-2
FSN-22A-6



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

TE Part #ANT-433-PW-LP
Antenna 1/4 Wave 433MHz Screw #10

TE Part #LICAL-DEC-MS001
DECODER MS IC CHIP RC PROTOCOL T&R

TE Part #RXM-433-LR
Module LR 433MHz AM OOK RX RCVR

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

Documents

Product Drawings

Antenna 1/4 Wave 433MHz Swivel Screw #6

English

CAD Files

Customer View Model

ENG_CVM_CVM_ANT-433-PW-RA_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_ANT-433-PW-RA_A.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_ANT-433-PW-RA_A.2d_dxf.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

ANT-433-PW-RA

English