

ANT-450-HSW-NP

✓ ACTIVE

TE Internal #: ANT-450-HSW-NP
Terminal/Duck Antenna, Dual Band, Cellular / Cat-M/NB-IoT,
External Mount, Stud/Screw/Lug Mount, N-type, Omnidirectional,
Single Port, Gain 3 < 6 dBi
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Antennas



Wireless Application: Cat-M/NB-IoT, Cellular
Mounting Location: External
Mounting Type: Stud/Screw/Lug Mount
Frequency Category: 410 – 470
Antenna Type: Terminal/Duck

Features

Product Type Features

Antenna Termination	N-type
Antenna Product Type	Antenna

Configuration Features

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

Signal Characteristics

Frequency Category	410 – 470
Peak Gain	3 < 6 dBi

Mechanical Attachment

Mounting Type	Stud/Screw/Lug Mount
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Operation/Application

Directionality	Omnidirectional
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Industry Standards

Wireless Application	Cat-M/NB-IoT, Cellular
Primary Application	Cat-M/NB-IoT, Cellular



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) Not Yet Reviewed
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 # CONN001-W
N Type Jack 50 Ohm PCB Through Hole



TE Part # CONN002-W
N Type Jack 50 Ohm Panel Mount



TE Part # CONN003-W
N Type Jack 50 Ohm Panel Mount



TE Part # CONN007-1-W
N Type Plug 50 Ohm Cable Crimp





TE Part # CONN007-2-W
N Type Plug 50 Ohm Cable Crimp



TE Part # CONN007-3-W
N Type Plug 50 Ohm Cable Crimp



TE Part # CONN007-4-W
N Type Plug 50 Ohm Cable Crimp



TE Part # CONN008-W
N Type Plug 50 Ohm Panel Mount Crimp

Customers Also Bought



TE Part #T4111002051-000
M12 Field Installable Unshielded



TE Part #T4171010005-001
M12,REAR MOUNTING,MALE,A,5P,0.2 M WIRE



TE Part #2177909-1
MCON 0.50 TERMINAL



TE Part #ANT-5GW-IPW2-NP
Antenna Whip 5G WB Cell IP67 N Plug



TE Part #ANT-LTE-MON-SMA-L
Antenna MON-L LTE/GPS Swivel SMA

Documents

Product Drawings

Antenna HSW 450 IP67 N Jack

English

CAD Files

Customer View Model

ENG_CVM_CVM_ANT-450-HSW-NP_A.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_ANT-450-HSW-NP_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_ANT-450-HSW-NP_A.3d_igs.zip

English

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Datasheets & Catalog Pages
450 MHz Cellular LTE Whip Antennas
English