

ANT-868-PML-UFL

✓ ACTIVE

TE Internal #: ANT-868-PML-UFL
Terminal/Duck Antenna, Single Band, LPWAN / LoRaWAN,
External Mount, Stud/Screw/Lug Mount, MHF / MHF1 / U.FL,
Omnidirectional, Single Port
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Antennas



Communication Protocol: **LoRaWAN, LPWAN, Wi-Fi**
Mounting Location: **External**
Mounting Type: **Stud/Screw/Lug Mount**
Frequency Category: **862 – 870**
Antenna Type: **Terminal/Duck**

Features

Product Type Features

Antenna Termination	MHF, MHF1, U.FL, UMCC
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

Impedance	50 Ω
VSWR (Max)	<1.9:1

Signal Characteristics

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

Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount



Dimensions

Product Width	12.1 mm[.48 in]
Product Length	150.3 mm[5.92 in]
Product Height	0 mm[0 in]
Cable Length	.3 m[1 ft]

Operation/Application

Antenna Environment	Outdoor
Directionality	Omnidirectional

Industry Standards

Communication Protocol	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 with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F < 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-PW-QW
Antenna 1/4 Wave Whip 868MHz
RG174



TE Part # ANT-868-PML
Antenna R-Angle Swivel 868MHz
RG178



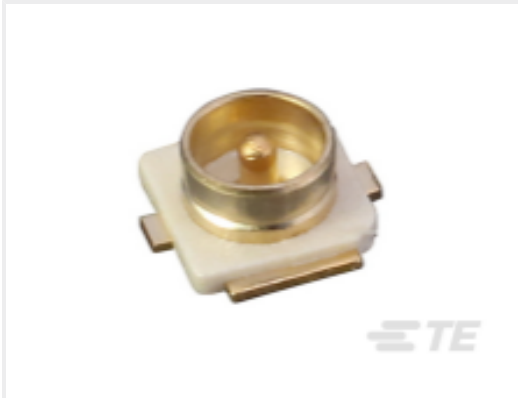
TE Part # ANT-868-PW-RA
Antenna 1/4 Wave 868MHz Swivel
Screw #6



TE Part # CONMHF1-SMD-T
U.FL/MHF1 Jack 50 Ohm PCB Surface
Mount



TE Part # CONUFL001-SMD-T
U.FL/MHF1 Jack 50 Ohm PCB Surface
Mount



TE Part # CONMHF1-SMD-G-T
U.FL/MHF1 Jack 50 Ohm PCB Surface
Mount

Customers Also Bought



TE Part #ANT-868-PW-RA
Antenna 1/4 Wave 868MHz Swivel
Screw #6



TE Part #HUM-868-PRC-CAS
Module HUM-PRC 868MHz FHSS FM
XCVR EU



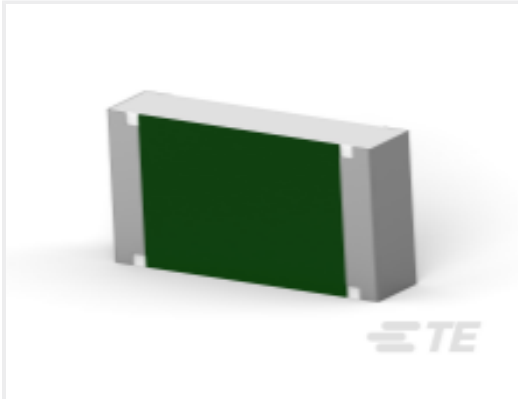
TE Part #6-1623930-7
CFR25 5% 2K4



TE Part #3-1879223-2
CPF 0603 499R 0.1% 25PPM 1K RL



TE Part #2-2176216-5
CPF A 0603 680R 0.1% 25PPM 1K RL



TE Part #5-2176397-7
3502 220R 1%



TE Part #4-2176756-5
RT 1E 0.125W 100K 0.1% 25PPM 10K
RL

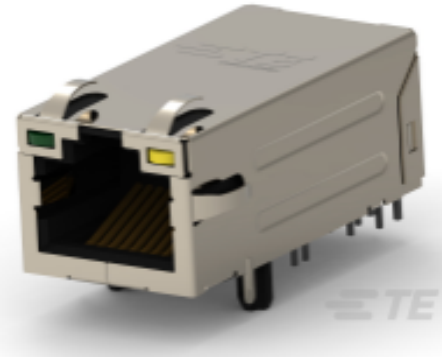


TE Part #1-2308340-6
FULL METAL HOODS SIZE 1-6 (RAW
180 DEG)

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Terminal/Duck Antenna, Single Band, LPWAN / LoRaWAN, External Mount, Stud /Screw/Lug Mount, MHF / MHF1 / U.FL, Omnidirectional, Single Port





TE Part #5-2337992-5

[RJ45 JACK MAG. POE 1GB LED 1X1 INV.](#)



TE Part #L9000149-01

[ANTENNA IND DIPOLE 868MHZ RG58 1M RPS](#)

Documents

Product Drawings

[Antenna R-Angle Swivel 868MHz RG178 UFL](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_ANT-868-PML-UFL_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_ANT-868-PML-UFL_A.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_ANT-868-PML-UFL_A.2d_dxf.zip](#)

English

3D PDF

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[ANT-868-PML-ccc](#)

English