

ANT-8/9-SPNF2

✓ ACTIVE

TE Internal #: L9000142-01

Dome/Puck Antenna, Dual Band, ISM / LPWAN / LoRaWAN,
External Mount, Stud/Screw/Lug Mount, N-type, Omnidirectional,
Single Port, 3 < 6 dBi Peak Gain

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Antennas



Antenna Type: **Dome/Puck**

Band Type: **Dual Band**

Primary Application: **ISM, LoRaWAN, LPWAN**

Wireless Application: **ISM, LoRaWAN, LPWAN**

Mounting Location: **External**

Features

Product Type Features

Antenna Termination	N-type
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Dome
Antenna Type	Dome/Puck
Band Type	Dual Band
Mounting Location	External
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
VSWR (Max)	<1.7:1

Signal Characteristics

Frequency Band	902 – 928 MHz
Gain (Max)	3.3 dB
Frequency Category	698 – 2700
Peak Gain	3 < 6 dBi

Body Features

Product Weight	118 g[4.16225 oz]
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Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount

Dimensions

Product Width	42 mm[1.65 in]
Product Length	83.1 mm[3.27 in]
Product Height	0 mm[0 in]

Operation/Application

Antenna Environment	Indoor, Outdoor
Directionality	Omnidirectional

Industry Standards

Primary Application	ISM, LoRaWAN, LPWAN
Wireless Application	ISM, LoRaWAN, LPWAN

Packaging Features

Packaging Method	Box & Carton
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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: JAN 2025 (247) Candidate List Declared Against: JUNE 2023 (235) 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


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



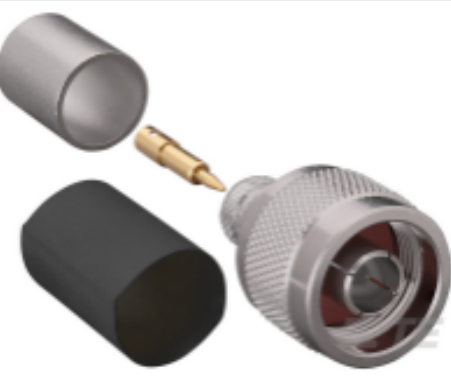
TE Part # CONN008-W
N Type Plug 50 Ohm Panel Mount Crimp




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




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



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




TE Part # CONN001-W
N Type Jack 50 Ohm PCB Through Hole




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


Customers Also Bought




TE Part #DT04-2P-E005
REC, 2P, BLK, N, CAP




TE Part #DT06-2S-E005
PLG, 2P, BLK, N, CAP




TE Part #5-1775443-4
EMIX CONN., 1.5MM PITCH, HDR, V /T, 4P




TE Part #CSD-SMAM-610-NM
SMA to SMA 610mm RG58




TE Part #DT2P-BT-BK
BOOT, 2P, REC, ST, BLK



TE Part #DT2S-BT-BK
BOOT, 2P, PLG, ST, BLK



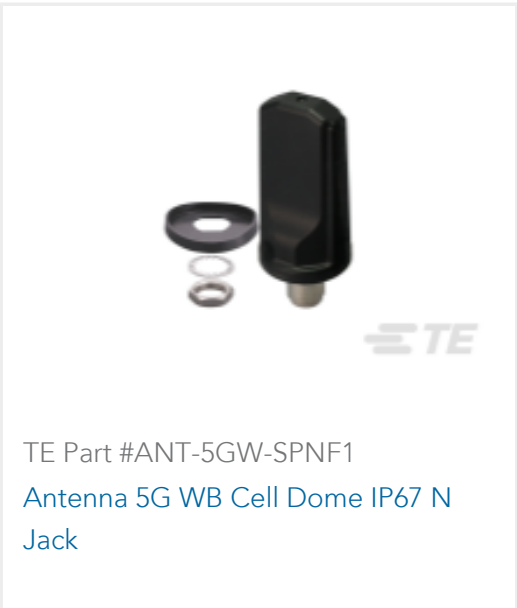
TE Part #C58LL-RPSM-2438-NM
RP-SMA to N Type 2458mm RG58



TE Part #1011-344-0205
DUST CAP, 2P, PLG, BLK, DT

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Documents

Product Drawings

Antenna 868/915 LPWA Dome IP67 N Jack

English

CAD Files

Customer View Model

ENG_CVM_CVM_L9000142-01_B1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_L9000142-01_B1.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_L9000142-01_B1.3d_stp.zip

English

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

Datasheets & Catalog Pages

Panel Mount 868/915 MHz LPWA Antenna

English