

ANT-DB1-WRT-MON-SMA ✓ ACTIVE

TE Internal #: L9000168-01

Dome/Puck Antenna, Dual Band, Wi-Fi, External Mount, Stud/Screw
/Lug Mount, SMA, Omnidirectional, Single Port, 0 < 3 dBi Peak Gain

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Antennas



Antenna Type: **Dome/Puck**

Band Type: **Dual Band**

Primary Application: **Wi-Fi**

Wireless Application: **Wi-Fi**

Mounting Location: **External**

Features

Product Type Features

| | |
|----------------------|---------|
| Antenna Termination | SMA |
| 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) | <2.1:1 |

Signal Characteristics

| | |
|--------------------|-----------------|
| Frequency Band | 2400 – 2485 MHz |
| Gain (Max) | 1 dB |
| Frequency Category | 2400 – 2500 |
| Peak Gain | 0 < 3 dBi |

Mechanical Attachment

| | |
|--------------|--------|
| Polarization | Linear |
|--------------|--------|



Mounting Type Stud/Screw/Lug Mount

Dimensions

| | |
|----------------|------------------|
| Product Width | 19 mm[.75 in] |
| Product Length | 26.8 mm[1.06 in] |
| Product Height | 0 mm[0 in] |
| Cable Length | .21 m[.71 ft] |

Operation/Application

| | |
|---------------------|-----------------|
| Antenna Environment | Outdoor |
| Directionality | Omnidirectional |

Industry Standards

| | |
|----------------------|-------|
| Primary Application | Wi-Fi |
| Wireless Application | Wi-Fi |

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 |

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 # CONSMA002-SMD-G
SMA Jack 50 Ohm PCB Surface Mount



TE Part # CONSMA001
SMA Jack 50 Ohm PCB Through Hole



TE Part # CONSMA002-L-G
SMA Jack 50 Ohm PCB Through Hole

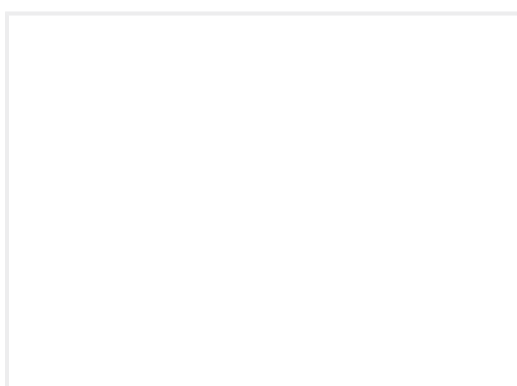


TE Part # CONSMA008-G
SMA Jack 50 Ohm Through Hole PCB



TE Part # L9000342-01
Antenna 2.45/5.8GHz WRT Monopole MHF3

Customers Also Bought



TE Part #284134-E
STVC 96 F ABC VV 7-00 EE 17,0 * 137 E00



TE Part #ZPF000000000019005
FDPA 54-20-41 SN-K-A1198



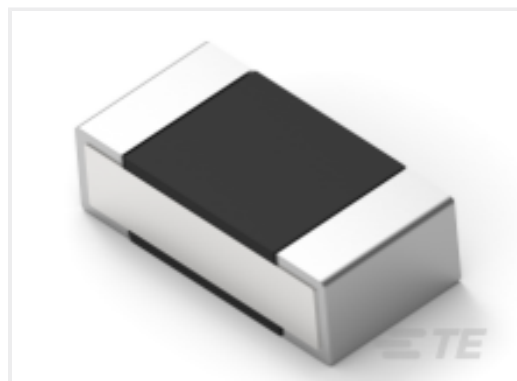
TE Part #5-1879281-9
RP 2A 487K 0.1% 15PPM 1K RL



TE Part #822841-000
222K163-3-0



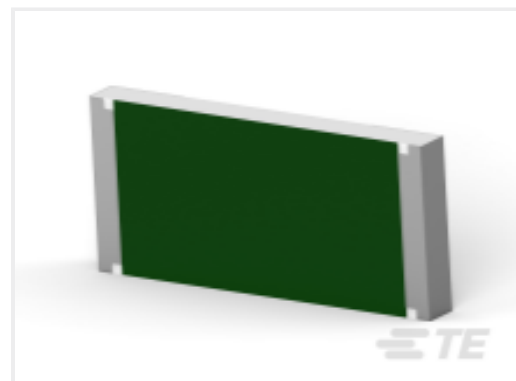
TE Part #2420741-1
SSA Tube 1.6mm OD x 0.5mm ID x 1m L



TE Part #5-2176305-3
RP 1E 0.1W 374R 0.1% 25PPM 5K RL



TE Part #354741-E
STVF 48 F ZBD GGG 7-03 0606 4,5 * 207 E0



TE Part #5-2176403-3
3550 150R 1%



Documents

Product Drawings

[Antenna 2.45/5.8GHz WRT Monopole SMA](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_L9000168-01_C.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_L9000168-01_C.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_L9000168-01_C.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Dual-Band WiFi External Panel-Mount Antenna](#)

English