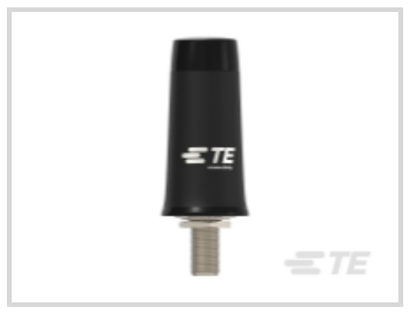
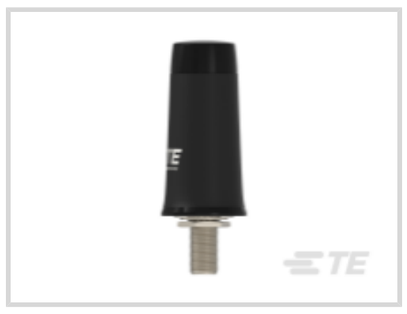
FTRA6971M6PBN-001 ✔ ACTIVE

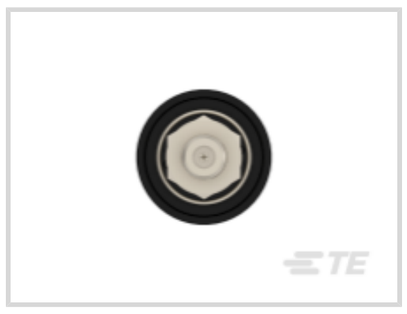
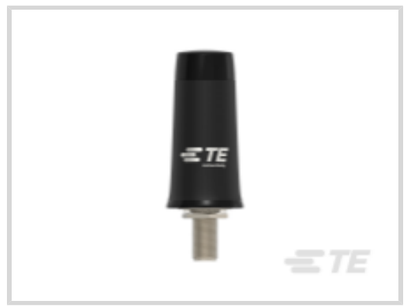
TE Internal #: FTRA6971M6PBN-001

Dome/Puck Antenna, Wide Band, 5G, Remote Mount, Stud/Screw /Lug Mount, N-type, Omnidirectional, Single Port, Gain 3 < 6 dBi

View on TE.com >

Antennas

Wireless Application: **5G**

Mounting Location: **Remote**

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

Frequency Category: **617 – 7125**

Antenna Type: **Dome/Puck**

Features

Product Type Features

Antenna Termination	N-type
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Low Profile
Mounting Location	Remote
Antenna Type	Dome/Puck
Band Type	Wide Band
Port Configuration	Single Port

Electrical Characteristics

Antenna Operation	Passive
VSWR (Max)	< 2.0:1, <2.5:1, <3.5:1
Impedance	50 Ω

Signal Characteristics

Frequency Band	698 – 960 MHz, 1427 – 1695 MHz, 1695 – 2700 MHz, 3300 – 4200 MHz, 4400 – 6000 MHz, 6000 – 6500 MHz, 6500 – 7125 MHz

Frequency Category	617 – 7125
Peak Gain	3 < 6 dBi

Body Features

Product Weight	280.9 g[9.908 oz]

Mechanical Attachment

Polarization	Linear
Mounting Type	Stud/Screw/Lug Mount

Dimensions

Product Diameter	47.3 mm[1.86 in]
Product Height	96.5 mm[3.799 in]

Operation/Application

Antenna Environment	Outdoor
Wireless Standard	Cellular
Directionality	Omnidirectional

Industry Standards

Wireless Application	5G
Primary Application	5G

Product Availability

Applicable Region	Americas

Packaging Features

Packaging Method	Bag & Box

Other

Precision Level	Standard

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 2022 (224) SVHC > Threshold: Pb (3.09% in Component) Pb (3.09% in Component) Pb (2.24% in Component) **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	Not Low Halogen - contains Br or Cl > 900 ppm.
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

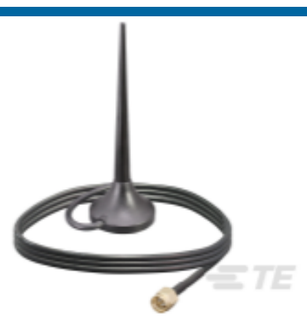
TE Part # C58LL-SMAM-2438-NM
SMA to N Type 2438mm RG58

TE Part # FTRA6971M5PB-001
OMNI,Ph,PMT,698-7125MHz

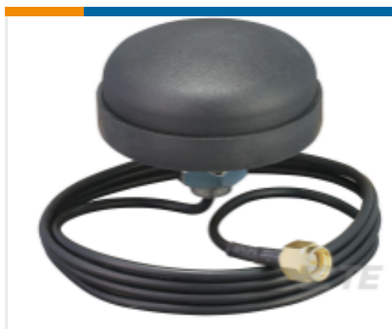
TE Part # TRA6927M3NBN-001
OMNI,Ph,NMO,698/1710MHz BK,, 100W,NGP

Customers Also Bought

TE Part #ANT-5GW-IPW1-NP
Antenna Whip 5G WB Cell IP67 N Plug



TE Part #ANT-5GW-MMG2-SMA-1
Antenna Magnetic 5G Cell 1M SMA



TE Part #ANT-5GW-SPS1-1
Antenna 5G LTE IP67 Puck RG174 1M SMA

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_FTRA6971M6PBN-001_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_FTRA6971M6PBN-001_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_FTRA6971M6PBN-001_A.3d_igs.zip

English

3D PDF

3D

Datasheets & Catalog Pages

5G PHANTOM ANTENNAS

English

ANT DS FTRA 5G Phantom NGP

English

Agency Approvals

UK Declaration of Conformity

English