

ANT-458-SP

! PENDING OBSOLESCENCE

TE Internal #: ANT-458-SP

TE Internal Description: Antenna SP PCB RPC 458MHz SMT

[View on TE.com >](#)



Antennas



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

Mounting Location: Internal/Embedded

Mounting Type: Surface Mount

Frequency Category: 410 – 470

Antenna Type: PCB

Features

Product Type Features

Antenna Termination	Solder
Antenna Product Type	Antenna

Configuration Features

Antenna Style	PCB
Mounting Location	Internal/Embedded
Antenna Type	PCB
Band Type	Single Band
Port Configuration	Single Port

Electrical Characteristics

VSWR (Max)	<1.9:1
Impedance	50 Ω

Signal Characteristics

Frequency Band	458 MHz
Frequency Category	410 – 470
Peak Gain	< 0 dBi

Body Features

Product Weight	1.04 g[.03668 oz]
----------------	-------------------

Mechanical Attachment

Polarization	Linear
--------------	--------



Mounting Type

Surface Mount

Dimensions

Product Width	13.7 mm[.54 in]
Product Length	27.94 mm[1.1 in]
Product Height	1.5 mm[.06 in]

Operation/Application

Directionality	Omnidirectional
----------------	-----------------

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
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: JUNE 2024 (241) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
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.

Customers Also Bought



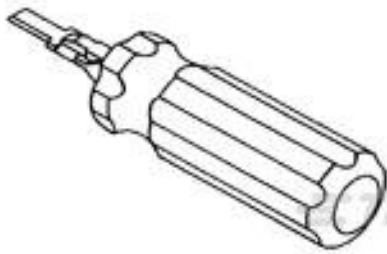
TE Part #6609032-9  
5VR1=F7202 S0



TE Part #1-206062-4  
CABLE CLAMP KIT #11



TE Part #66105-4  
III+ SKT,24-20,30AU/FL,LP



TE Part #305183  
EXTRACT TOOL TYPE 2 20-16



TE Part #0462-209-16141  
SOC, SOLID, SIZE 16, 14AWG, NI



TE Part #L9000033-01  
Antenna 1/4 Wave Short 2.4GHz RPS



TE Part #TRA9023NP  
OMNI,SB,Ph,902-928MHZ 3,NP PMT

Documents

Product Drawings

Antenna SP PCB RPC 458MHz SMT

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_ANT-458-SP\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_ANT-458-SP\_A.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_ANT-458-SP\_A.2d\_dxf.zip

English

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

Datasheets & Catalog Pages

ANT-458-SP

English