

2118900-1 ✓ ACTIVE



## GNSS

TE Internal #: 2118900-1

GNSS, Antenna, 5G / GPS, Printed Circuit Board, Surface Mount (SMT), GNSS - Global - 1560 – 1602 MHz, Embedded, PCB, Length .39 in [10 mm]

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### Antennas



Wireless Application: **5G, GPS**

Mounts To: **Printed Circuit Board**

Antenna Connection Type: **Surface Mount (SMT)**

Application by Region: **GNSS - Global - 1560 – 1602 MHz**

Antenna Style: **Embedded**

## Features

### Product Type Features

Antenna Connection Type	Surface Mount (SMT)
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### Configuration Features

Band Type	Single Band
Antenna Protocol	GPS, Glonass
Number of Ports	1
Antenna Style	Embedded
Antenna Type	PCB

### Electrical Characteristics

VSWR (Max)	< 2.0:1
Impedance	50 $\Omega$
Active Antenna	No

### Signal Characteristics

Frequency Band	1560 – 1602 MHz
Gain (Max)	3.5 dB

### Body Features

Product Weight	.5 g [.0176 oz]
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### Mechanical Attachment



Region	Global
Polarization	Linear
Mounts To	Printed Circuit Board

### Dimensions

Product Length	10 mm[.39 in]
Product Width	10 mm[.39 in]
Product Height	1 mm[.04 in]

### Usage Conditions

Application by Region	GNSS - Global - 1560 – 1602 MHz
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### Operation/Application

Wireless Standard	GPS
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### Industry Standards

Wireless Application	5G, GPS
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### Packaging Features

Packaging Method	Tape & Reel
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### Other

Precision Level	Standard
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## 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	Compliant
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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Reflow solder capable to 245°C

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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts

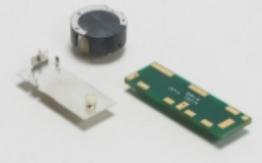


TE Model / Part # 2118709-2  
1 PC STD SHIELD, CRS-32.00X32.00X6.00MM



TE Model / Part # 2118712-4  
1 PC STD SHIELD, AL-44.37X44.37X9.75MM

## Also in the Series | GNSS



Antennas(10)

## Customers Also Bought



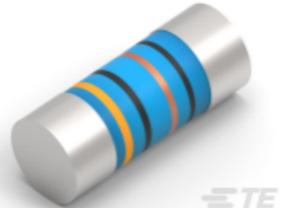
TE Model / Part #T4113501051-000  
M12 Field Installable Unshielded



TE Model / Part #2-2314846-0  
20P,2MM,BB,REC,DRVT,SMD,AU.76, TB,W/CP



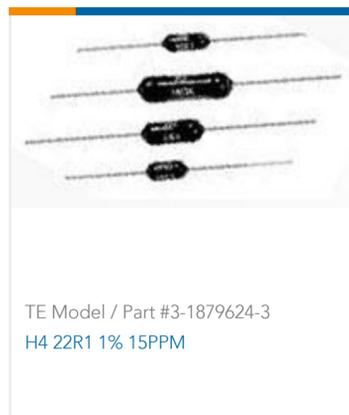
TE Model / Part #2842142-3  
6P,2MM,BRK HDR,DRVT,SMD,0.1AU, TR W/CAP



TE Model / Part #4-2176315-7  
MELF SMA\_A 560R 1% 50PPM 0204 0.4 W



TE Model / Part #5-146497-5  
10 MODII HDR DRST UNSHRD STKG



TE Model / Part #3-1879624-3  
H4 22R1 1% 15PPM



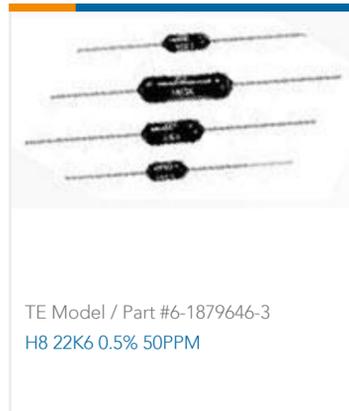
TE Model / Part #1879262-8  
RP 2B 13K7 0.1% 15PPM 1K RL



TE Model / Part #2-1614972-5  
CPF 1206 174R 0.1% 25PPM 1K RL



TE Model / Part #1-1969603-8  
18P RCPT VAL-U-LOK GW



TE Model / Part #6-1879646-3  
H8 22K6 0.5% 50PPM

## Documents

### Product Drawings

[GNSS GPS and Glonass SMD antenna](#)

English

### CAD Files

[3D PDF](#)

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2118900-1\\_A.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2118900-1\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2118900-1\\_A.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[1-1773969-5-GNSS-2118900-1-ant-datasheet](#)

English