



CGS | CGS TLR

TE Internal #: 2176117-9

.008 Ω , Metal Strip, Current Sensing Resistor, 1 %, 2 Termination, 1206, Taped & Reeled, 1 W, ± 50 ppm/ $^{\circ}\text{C}$, Solder, 3.2 x 1.6 x .6 mm, CGS TLR

[View on TE.com >](#)

Passive Components > Resistors > Surface Mount Resistors > Metal Chip Resistor: Current Sense



Resistor Type: **Current Sensing Resistor**

Number of Terminations: **2**

Package Size Code: **1206**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

[All Metal Chip Resistor: Current Sense \(49\)](#)

Features

Product Type Features

| | |
|-------------------|--------------------------|
| Product Type | Fixed Resistor |
| Resistor Type | Current Sensing Resistor |
| Package Size Code | 1206 |
| Element Type | Metal Strip |

Configuration Features

| | |
|---------------------|---|
| Number of Resistors | 1 |
|---------------------|---|

Electrical Characteristics

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|-----------------------------|-------------------|
| Passive Component Tolerance | 1 % |
| Resistance Class | Up to 1k Ω |
| Resistance Value | .008 Ω |
| Power Rating | 1 W |

Termination Features

| | |
|---|--------|
| Number of Terminations | 2 |
| Surface Mount Resistor Termination Type | Solder |

Dimensions

| | |
|------------------------------|-------------------|
| Passive Component Dimensions | 3.2 x 1.6 x .6 mm |
|------------------------------|-------------------|

Usage Conditions

| | |
|-------------------------|------------|
| Temperature Coefficient | ±50 ppm/°C |
|-------------------------|------------|

Packaging Features

| | |
|------------------|----------------|
| Packaging Method | Taped & Reeled |
|------------------|----------------|

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: JUNE 2023 (235) 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 | Reflow solder capable to 260°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



Also in the Series | CGS TLR



Surface Mount Resistors(43)

Customers Also Bought



TE Part #5227699-1
BNC PCB VERTICAL



TE Part #6609053-6
6EHT3=F7665 S0



TE Part #R-12167-21
TC,MICRO,BIFILAR,T,44AWG,71.0L,
POLYMER



TE Part #1-1469492-2
MULTIGIG RT 9MM GUIDE/ESD 45
DEG



TE Part #5-1879028-3
RN 0805 165K 0.1% 10PPM 1K RL



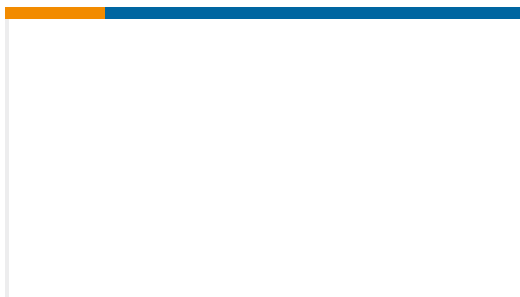
TE Part #1-1625958-8
HB01RE 20M 1% 100PPM



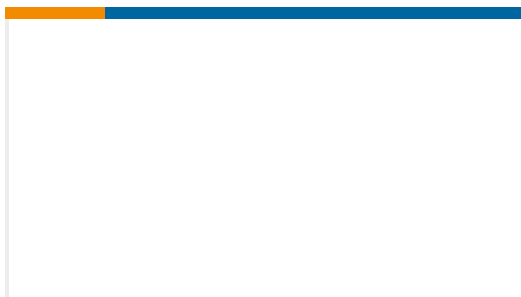
TE Part #1-2176330-9
CRGP 2010 330R 1%



TE Part #2-2176330-1
CRGP 2010 470R 1%



TE Part #1011-048-0805
SEAL RET, 8P, GRY, DTM, A



TE Part #5-1437723-9
T2310-P24=PLASTIC PLUG,23-24P

Documents

Product Drawings

TLR 1206 1.0W R008 1% 50PPM 2K RL

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_2176117-9_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176117-9_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176117-9_BA.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[SMD Low Ohmic Current Sense Resistors - Type TLR Series](#)

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English