



CGS | CGS TLR

TE Internal #: 2176076-4

CGS TLR, Surface Mount Resistors, Low Ohmic Resistor, 2 Termination, 1050, Taped & Reeled, 1 %, Metal Strip, Resistance Class Up to 1kΩ, .003 Ω, 3 W

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



Resistor Type: **Low Ohmic Resistor**

Number of Terminations: **2**

Package Size Code: **1050**

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	Low Ohmic Resistor
Package Size Code	1050
Element Type	Metal Strip

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Passive Component Tolerance	1 %
Resistance Class	Up to 1kΩ
Resistance Value	.003 Ω
Power Rating	3 W

Termination Features



Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Dimensions

Passive Component Dimensions	10.5 x 5 x .93 mm
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Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±100 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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




TE Part # CAT-C339-T547B
Metal Chip Resistor: Current Sense



TE Part # 2176076-8
TLRS1050 2.0W R005 1% 100PPM 3K RL



TE Part # 2176076-6
TLRS1050 5.0W R0002 1% 75PPM 3K RL



TE Part # 2176076-7
TLRS1050 5.0W R0003 1% 75PPM 3K RL

Also in the Series | CGS TLR



Surface Mount Resistors(51)

Customers Also Bought



TE Part #2308107-8
DDR4 DIMM SOCKETS



TE Part #2176076-5
Metal Chip Resistor: Current Sense



TE Part #2274000-1
zSFP+ Cage Assembly: EMI Springs



TE Part #1-1676625-9
Power Resistors: Aluminum Housed, HSA



TE Part #103972-2
8X3 MTE RCPT SR RIBBED .100CL



TE Part #1614922-1
CPF0805 34K8 0.1% 25PPM 1K RL



TE Part #DRC23-64PAA
DEUTSCH DRC HEADERS



TE Part #2-2213818-6
6X6 ILL TACT THT 160GF HI PURE GREEN



TE Part #1-1623933-1
CFR50 5% 390K



Documents

Product Drawings

[TLRS1050 3.0W R003 1% 100PPM 3K RL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2176076-4_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176076-4_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176076-4_BA.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Surface Mount Shunt Resistor - Type TLRS series](#)

English