



CGS TLRP

TE Internal #: 4-2176422-2

Surface Mount Resistors, Current Sensing Resistor, 2 Termination, 2512, Tape & Reel, 1 %, Metal Strip, Resistance Class Up to 1kΩ, .1 Ω, 3 W, CGS TLRP

[View on TE.com >](#)

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Current Sensing Resistor**

Number of Terminations: **2**

Package Size Code: **2512**

Packaging Method: **Tape & Reel**

Passive Component Tolerance: **1 %**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Current Sensing Resistor
Package Size Code	2512
Element Type	Metal Strip

Configuration Features

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

Electrical Characteristics

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

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Dimensions

Passive Component Dimensions	6.4 x 3.2 x .7 mm
------------------------------	-------------------

Usage Conditions

Temperature Coefficient	±25 ppm/°C
-------------------------	------------

Packaging Features

Packaging Method	Tape & Reel
------------------	-------------

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 2022 (224) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 TLRP



Customers Also Bought



Documents

Product Drawings

TLRP 2512 3.0W R100 1% 25PPM 4K RL

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_4-2176422-2_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-2176422-2_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-2176422-2_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 TLRP Series](#)

English