



CGS | CGS TLM

TE Internal #: 2-2176158-7

Surface Mount Resistors, Current Sensing Resistor, 2 Termination, 2512, Taped & Reeled, 1 %, Foil, Resistance Class Up to 1kΩ, .036 Ω, 1 W, CGS TLM

[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: **2512**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

[All Metal Chip Resistor: Current Sense \(152\)](#)

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Current Sensing Resistor
Package Size Code	2512
Element Type	Foil

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Passive Component Tolerance	1 %
Resistance Class	Up to 1kΩ
Resistance Value	.036 Ω
Power Rating	1 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Dimensions

Passive Component Dimensions	6.3 x 3.15 x .55 mm
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Usage Conditions

Temperature Coefficient	± 50 ppm/ $^{\circ}$ C
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Packaging Features

Packaging Method	Taped & Reeled
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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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 $^{\circ}$ 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 TLM



Surface Mount Resistors(152)

Customers Also Bought



TE Part #4-1625984-5
HSA50 2R4 5%



TE Part #2-1879216-7
CPF 0402 95K3 0.1% 25PPM 1K RL



TE Part #2-1624113-5
3650 2A 6.8nH 5% 2K RL



TE Part #1-1625890-9
2W SM M/OX 5% 18R



TE Part #2176380-4
RQ 0805 1K24 0.1% 10PPM 5K RL



TE Part #2182463001
55A0811-24-2



TE Part #2181553001
55A0811-24-0

Documents

Product Drawings

TLM 2512 1.0W R036 1% 50PPM 4K RL

English

Datasheets & Catalog Pages

SMD Current Sense Metal Chip Resistor

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English