



CGS | CGS TLRS

TE Internal #: 2176076-4

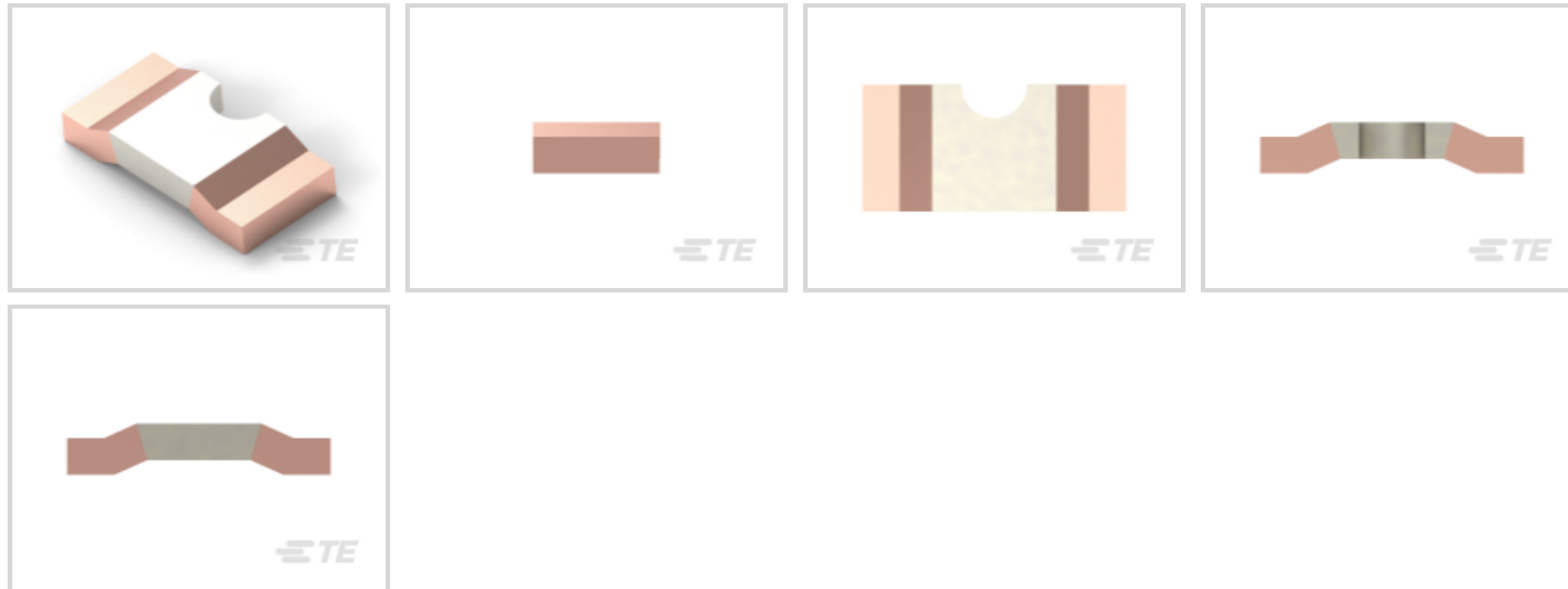
.003 ohm, Surface Mount Low Ohmic Resistor, Metal Strip, 1050, 3

W, 1 %, ±100 ppm/°C, Solder, 2 Terminations, .93 mm [.037 in]

Height, CGS TLRS

[View on TE.com >](#)

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



Resistance Value: .003 Ω

Resistor Type: **Low Ohmic Resistor**

Element Type: **Metal Strip**

Package Size Code: 1050

Power Rating: 3 W

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

Features

Usage Conditions

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

Electrical Characteristics

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

Product Type Features

Resistor Type	Low Ohmic Resistor
Element Type	Metal Strip
Package Size Code	1050

Configuration Features



Number of Resistors	1
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Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.93 mm[.037 in]
Product Length	10.5 mm[.413 in]
Product Width	5 mm[.197 in]

Packaging Features

Packaging Method	Taped & Reeled
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) 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



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



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

Also in the Series | CGS TLRS

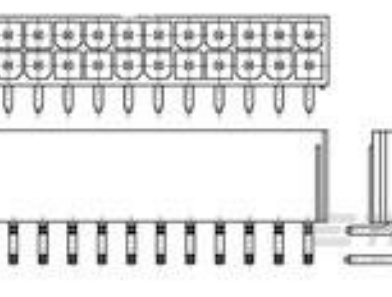


Surface Mount Resistors(17)

Customers Also Bought



TE Part #DT15-12PA
HDR, 12P, GRY, ST, NI/CU, A



TE Part #1-1586041-0
10P VAL-U-LOK R/A HDR V2



TE Part #3-435640-5
DIP SW 4 POSN SEALED

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