TLRS105030ER003FTDG ✔ ACTIVE

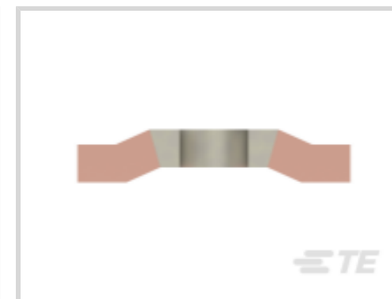
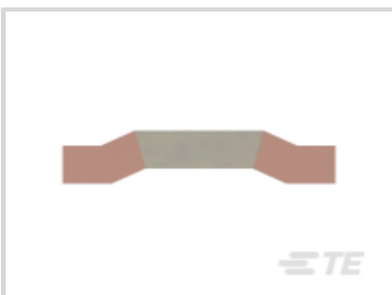
CGS | CGS TLRS

TE Internal #: 2176076-4

.003 ohm, Metal Strip, Low Ohmic Resistor, 1 %, 1050, 3 W, ±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

Resistor Type: **Low Ohmic Resistor**

Element Type: **Metal Strip**

Package Size Code: **1050**

Power Rating: **3 W**

Resistance Value: **.003 Ω**

All Metal Chip Resistor: Current Sense (49)

Features

Product Type Features

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

Configuration Features

Number of Resistors	1

Electrical Characteristics

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

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]

Usage Conditions

Operating Temperature Range	-55 – 155 °C[-67 – 311 °F]
Temperature Coefficient	±100 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

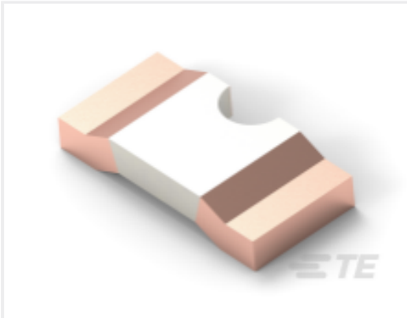
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

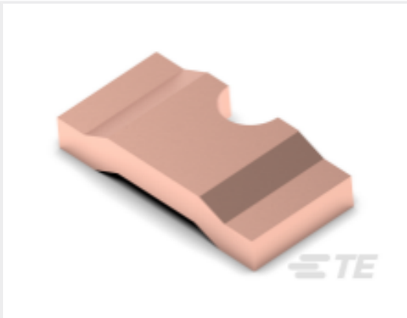
Product Compliance Disclaimer

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

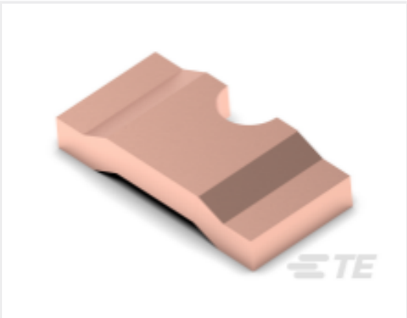
Compatible Parts



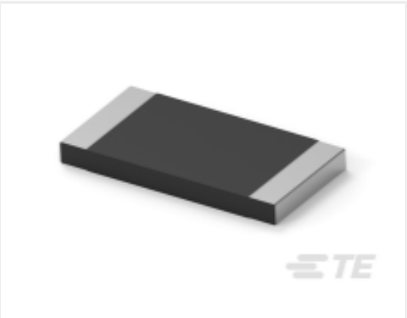
TE Part # 2176076-8
TLRS1050 2.0W R005 1% 100PPM 3K RL



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

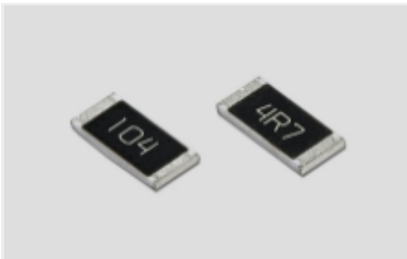


TE Part # 2176076-6
TLRS1050 5.0W R0002 1% 75PPM 3K RL



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

Also in the Series | CGS TLRS



Surface Mount Resistors(17)

Customers Also Bought

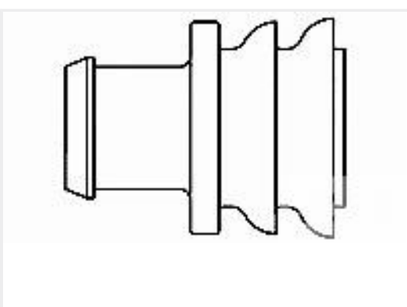
TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts

TE Part #DT04-2P
REC, 2P, GRY, N

TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT

TE Part #DT06-2S
PLG, 2P, GRY, N

TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL

TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

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