



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



Resistor Type: **Low Ohmic Resistor**

Element Type: **Metal Strip**

Package Size Code: **1575**

Power Rating: **4 W**

Resistance Value: **.002 Ω**

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

Features

Product Type Features

Resistor Type	Low Ohmic Resistor
Element Type	Metal Strip
Package Size Code	1575

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Power Rating	4 W
Resistance Value	.002 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	15 mm[.591 in]
Product Width	7.75 mm[.305 in]

Usage Conditions

Operating Temperature Range	-55 – 155 °C[-67 – 311 °F]
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>

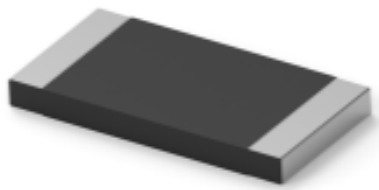
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 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	Not reviewed for solder process capability

Product Compliance Disclaimer

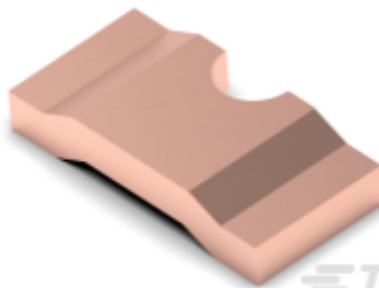
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

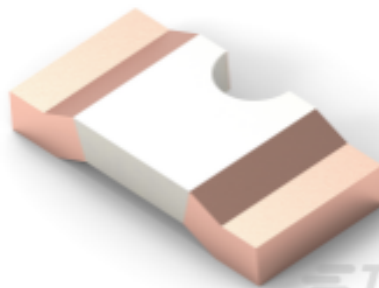




TE Part # CAT-C339-T547B
Metal Chip Resistor: Current Sense



TE Part # 2176077-6
TLRS1575 6.0W R0004 1% 50PPM 2K RL



TE Part # 2176077-7
TLRS1575 3.0W R005 1% 100PPM 2K RL

Also in the Series | CGS TLRS



Surface Mount Resistors(17)

Customers Also Bought



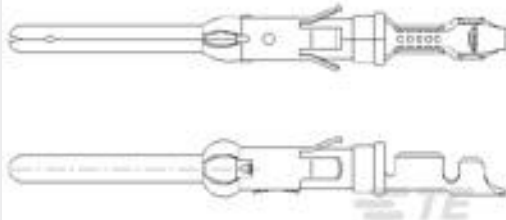
TE Part #TAD14545101-001
M12D4-MS-FS-PUR-22SH-TYPE C GREEN-0.5M



TE Part #TAD14745101-001
M12D4-MS-MS-PUR TYPE C GREEN-0.5M



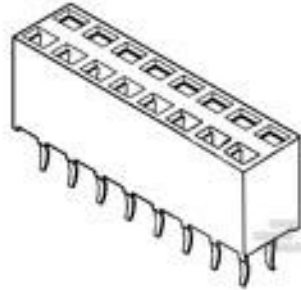
TE Part #1SNG618002R0000
EP-RJG-M20-GR-A



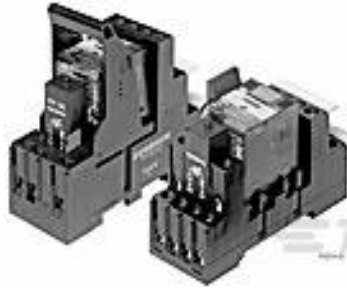
TE Part #163090-2
062 PIN ASS. TYP3+



TE Part #182649-1
17-14 CPC PLUG RS



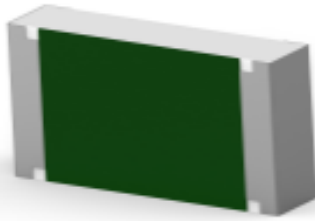
TE Part #215307-5
2X5P HV100 REC CON. TE, 7.0MM



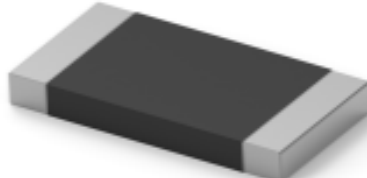
TE Part #7-1415074-1
PT2S7LB2



TE Part #1658621-1
10 NOVO MIL/CTR 15DP,LEAD FREE



TE Part #8-2176397-9
3502 4K7 1%



TE Part #5-2176422-4
TLRP 2512 3.0W R010 1% 50PPM 4K RL



Documents

Product Drawings

TLRS1575 4.0W R002 1% 100PPM 2KRL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176077-3_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176077-3_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176077-3_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