

TLRP3A20WR010FTE

✓ ACTIVE

CGS | CGS TLRP

TE Internal #: 2176421-1

Current Sensing Resistor, Metal Strip, 2512, 2 W, .01 ohm, 1 %, ±75 ppm/°C, Solder, 2 Termination, Height .7 mm [.028 in], CGS TLRP

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Current Sensing Resistor**

Element Type: **Metal Strip**

Package Size Code: **2512**

Power Rating: **2 W**

Resistance Value: **.01 Ω**

Features

Product Type Features

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

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Power Rating	2 W
Resistance Value	.01 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	.7 mm[.028 in]
Product Length	6.4 mm[.252 in]
Product Width	3.2 mm[.126 in]

Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±75 ppm/°C

Industry Standards

Moisture Sensitivity Level	1
ESD HBM Classification	2
Industry Standard	AEC-Q200 Compliant
UL Flammability Rating	UL 94V-0

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 2176421-6
TLRP 2512 2.0W R009 1% 75PPM 4K RL

TE Part # 2176421-8
TLRP 2512 2.0W R015 1% 75PPM 4K RL

Also in the Series | CGS TLRP

Surface Mount Resistors(239)

Customers Also Bought

TE Part #4-1415899-9
RZ03-1A3-D012

TE Part #2-1622824-0
RL73H 2B R33 1% 5K RL

TE Part #5103310-1
A/L LOW PRO HDR 10P RA BLACK

TE Part #8-1393239-0
RT314A12

TE Part #1-1123723-2
3.96 EP HDR ASSY 2P(NATURAL)

TE Part #1-2834011-2
2POS 3.5MM TOP ENTRY SCREWLESS CONN.

TE Part #3-2176337-4
CRGCQ 0402 5K6 1%

TE Part #1-1478966-0
SMA B/HD SKT RCPT GSS

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TE Part #1624345-1
NTC0805 5% 10K

TE Part #800336-SF
FN284-2-06

Documents

Product Drawings

TLRP 2512 2.0W R010 1% 75PPM 4K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176421-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176421-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176421-1_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