TLR3A20KR003FTDG ✔ ACTIVE

CGS | CGS TLR

TE Internal #: 1-1879378-2

.003 ohm, Metal Strip, Current Sensing Resistor, 1 %, 2512, 2 W, ±50 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, CGS TLR

View on TE.com >

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



Resistor Type: **Current Sensing Resistor**

Element Type: **Metal Strip**

Package Size Code: **2512**

Power Rating: **2 W**

Resistance Value: **.003 Ω**

All Metal Chip Resistor: Current Sense (49)

Features

Product Type Features

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

Configuration Features

Number of Resistors	1

Electrical Characteristics

Power Rating	2 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	.55 mm[.022 in]
Product Length	6.35 mm[.25 in]

Product Width	3.18 mm[.125 in]

Usage Conditions

Temperature Coefficient	±50 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

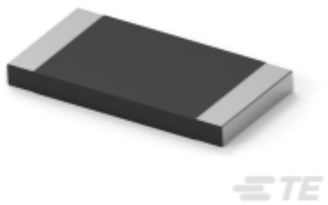
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Out of Scope
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

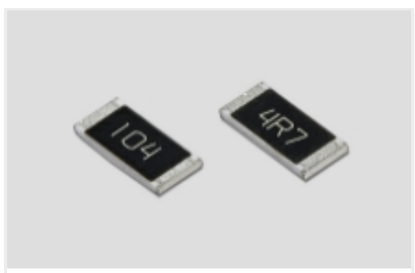
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # CAT-C339-T547B
Metal Chip Resistor: Current Sense

Also in the Series | CGS TLR



Surface Mount Resistors(41)

Customers Also Bought



TE Part #1241150-4
4P MOD II BREAK AWAY HDR , SMD, BLISTER



TE Part #1-1393238-9
RTB14024



TE Part #1-1571983-0
GDH08S04=DIP SWITCH



TE Part #4-1879208-3
CPF 0402 560R 0.1% 25PPM 1K RL



TE Part #3-1879225-1
CPF 0603 82K5 0.1% 25PPM 1K RL



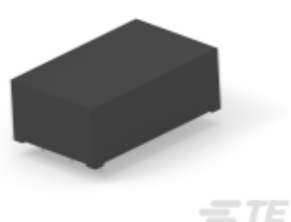
TE Part #3-2176070-1
3521 180R 1% 2W



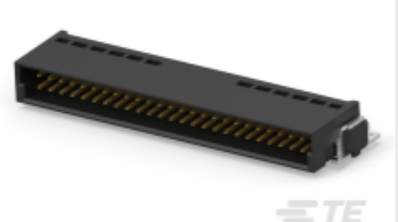
TE Part #4-2176330-4
CRGP 2010 39K 1%



TE Part #4-2176331-5
CRGP 2512 47K 1%



TE Part #800531-SF
FN402-0.5-02



TE Part #054596-E
SMCB 50 M AB VV 3-03 CLHD * 0007 137 E00

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_1-1879378-2_BA1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1879378-2_BA1.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1879378-2_BA1.3d_igs.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 TLR Series

English