# TLR3A10KR003FTDG ✔ ACTIVE

CGS | CGS TLR

TE Internal #: 3-1879378-2

.003 ohm, Metal Strip, Current Sensing Resistor, 1 %, 2512, 1 W, ±150 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: **1 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 | 1 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 | ±150 ppm/°C |

### Packaging Features

| | |
|---|---|
| Packaging Method | Taped & Reeled |

## Product Compliance

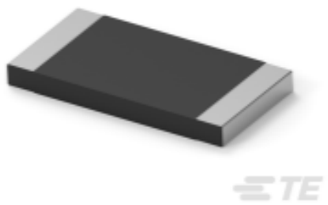
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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

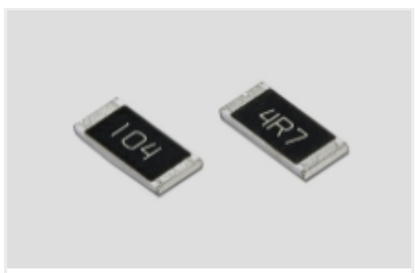
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 #CV25362001
RW-175-E-1/16-X-STK



TE Part #1367500-1
30 POSN XFP CONN, ENHANCED



TE Part #1367645-6
DWDM Kit Assy, Networking (13.



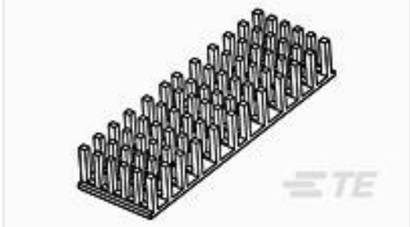
TE Part #1469362-1
HM-ZD VERT RECPT ASSY 18MM



TE Part #1489948-2
XFP HEAT SINK CLIP, PLATED



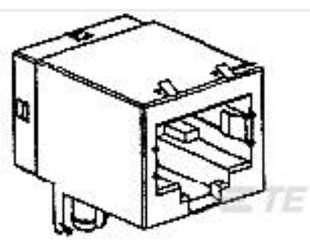
TE Part #1489951-1
XFP CAGE ASSEMBLY



TE Part #1963850-2
XFP. MSA HEATSINK 10mm TALL



TE Part #1-2016698-6
RF CA,UMCC GEN4-GEN4,1.13MM CABLE,L200MM



TE Part #5558341-1
MJ,8POS,R/A,CAT 5e

TE Part #Y66598-W15-35SB000
RECP ASSY

# Documents

## CAD Files

### Customer View Model

ENG_CVM_CVM_3-1879378-2_BA1.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_3-1879378-2_BA1.3d_stp.zip

English

### Customer View Model

ENG_CVM_CVM_3-1879378-2_BA1.3d_igs.zip

English

### 3D PDF

3D

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