



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



Resistor Type: **Current Sensing Resistor**

Element Type: **Foil**

Package Size Code: **2010**

Power Rating: **.75 W**

Resistance Value: **.039 Ω**

[All Metal Chip Resistor: Current Sense \(152\)](#)

Features

Product Type Features

|                   |                          |
|-------------------|--------------------------|
| Resistor Type     | Current Sensing Resistor |
| Element Type      | Foil                     |
| Package Size Code | 2010                     |

Configuration Features

|                     |   |
|---------------------|---|
| Number of Resistors | 1 |
|---------------------|---|

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Power Rating                | .75 W     |
| Resistance Value            | .039 Ω    |
| Resistance Class            | Up to 1kΩ |
| Passive Component Tolerance | 5 %       |

Termination Features

|                                         |        |
|-----------------------------------------|--------|
| Surface Mount Resistor Termination Type | Solder |
| Number of Terminations                  | 2      |

Dimensions

|                |                 |
|----------------|-----------------|
| Product Height | .55 mm[.022 in] |
| Product Length | 5 mm[.197 in]   |
| Product Width  | 2.5 mm[.098 in] |



Usage Conditions

|                         |             |
|-------------------------|-------------|
| Temperature Coefficient | ±100 ppm/°C |
|-------------------------|-------------|

Packaging Features

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

Product Compliance

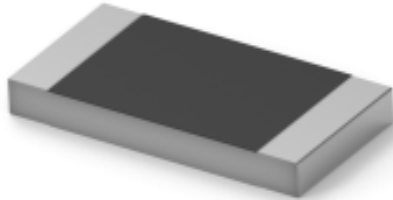
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                       |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                       |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| 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-T547A  
Metal Chip Resistor: Current Sense



Also in the Series | CGS TLM

Surface Mount Resistors(152)

Customers Also Bought

TE Part #1658683-1  
HDP-22,RCPT,SIZE 3,44 POSN

TE Part #1658686-2  
SOCKET CONT, 22-28 AWG, DF 22, AMPLIMITE

TE Part #2-1879464-5  
Thick Film Resistor: Current Sense

TE Part #6-520315-6  
TRIOMATE ASY V 16P L=3.556LDFR

TE Part #5-520315-4  
TRIOMATE ASSY V 4P L=3.556LDFR

TE Part #1622829-2  
CRG0603 1% 10K 10K RL

TE Part #5-2176339-2  
CRGCQ 0603 180K 1%

TE Part #2176230-1  
3522 0R0 5% 3W

TE Part #2176574-3  
RLC73PD 2A R75 1% 5K RL

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG\_CVM\_CVM\_2176157-8\_BA.2d\_dxf.zip
- English
- Customer View Model

TLM2HER039JTE

Current Sensing Resistor, Foil, 2010, .75 W, .039 ohm, 5 %, ±100 ppm/°C, Solder, 2 Termination, Height .55 mm [.022 in], CGS TLM



[ENG\\_CVM\\_CVM\\_2176157-8\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2176157-8\\_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 Current Sense Metal Chip Resistor

English