

Passive Components &gt; Resistors &gt; Surface Mount Resistors &gt; Metal Chip Resistor: Current Sense

Resistor Type: **Current Sensing Resistor**Element Type: **Foil**Package Size Code: **2010**Power Rating: **.75 W**Resistance Value: **.022  $\Omega$** [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	.022 $\Omega$
Resistance Class	Up to 1k $\Omega$
Passive Component Tolerance	5 %

### Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

### Dimensions

Product Height	.58 mm [.023 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](https://www.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: JAN 2024 (240) Candidate List Declared Against: JUNE 2023 (235) 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

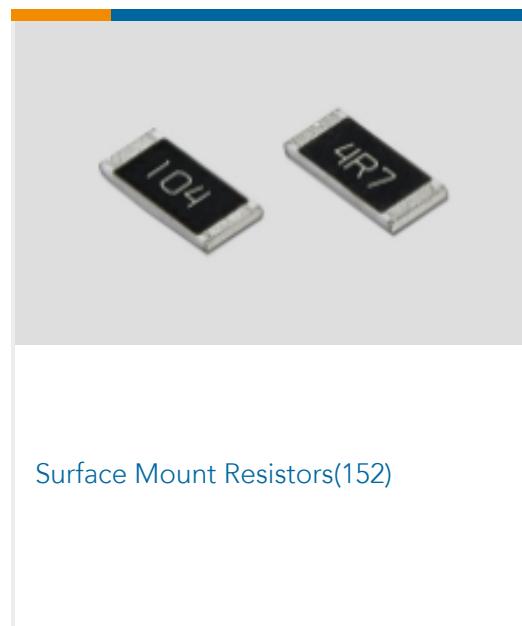
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # CAT-C339-T547A  
Metal Chip Resistor: Current Sense

## Also in the Series | CGS TLM



Surface Mount Resistors(152)

## Customers Also Bought



TE Part # 1658613-4  
09 POS HDF PLUG, MS, LEAD FREE



TE Part # 8-215079-0  
MICRO-MATCH FOB.10P



TE Part # 640457-3  
PCB Header: Polyester, Right Angle, Unshrouded



TE Part # 980892-000  
1330-3300-10



TE Part # 747275-4  
009 LP HDF STRAIN RELIEF



TE Part # 4-794630-2  
12P MICRO MNL ASSY,VRT,HDR,LF



TE Part # 2-2176315-7  
MELF SMA\_A 15K 0.1% 15PPM 0204  
0.4W



TE Part # 6116000-1  
STK MJ,2X6,SHLD,PNL GND,CAT5

## Documents

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_2176157-5\\_BA.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2176157-5\\_BA.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2176157-5\\_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