



Passive Components > Resistors > Surface Mount Resistors > Thick Film Resistor: Current Sense



Resistor Type: **Current Sensing Resistor**  
Number of Terminations: **2**  
Package Size Code: **2512**  
Packaging Method: **Taped & Reeled**  
Passive Component Tolerance: **1 %**

[All Thick Film Resistor: Current Sense \(214\)](#)

Features

Product Type Features

|                   |                          |
|-------------------|--------------------------|
| Resistor Type     | Current Sensing Resistor |
| Package Size Code | 2512                     |
| Element Type      | Thick Film               |

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Passive Component Tolerance | 1 %       |
| Resistance Class            | Up to 1kΩ |
| Resistance Value            | .03 Ω     |
| Power Rating                | 2 W       |

Termination Features

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

Dimensions

|                              |                      |
|------------------------------|----------------------|
| Passive Component Dimensions | 6.35 x 3.15 x .74 mm |
|------------------------------|----------------------|

Usage Conditions

|  |  |
|--|--|
|  |  |
|--|--|



|                         |             |
|-------------------------|-------------|
| Temperature Coefficient | ±400 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 with Exemptions                                                                                                       |
| EU ELV Directive 2000/53/EC                   | Compliant with Exemptions                                                                                                       |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                            |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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-R529A  
Thick Film Resistor: Current Sense

TE Part # 2176050-8  
RLP73N 1E R10 5% 5K RL

Also in the Series | CGS RLP73



Surface Mount Resistors(401)

Customers Also Bought



TE Part #1-917338-2  
Header Assembly: Wire-to-Board, 15A, gold or tin plated



TE Part #1-353082-2  
DYNAMIC D-5200 HDR V ASSY 3P



TE Part #1318126-2  
Header Assembly: Wire-to-Board, 5A, gold plated



TE Part #2294417-1  
INDUSTRIAL MINI I/O HDR TYPE I EMBOSS



TE Part #9-2176231-0  
3522 51K 1% 3W

Documents

Product Drawings

RLP73M 3A R030 1% 1K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-2176057-2\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2176057-2\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2176057-2\_BA.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.



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[Datasheets & Catalog Pages](#)  
[SMD Low Ohmic Current Sense Resistors - Type RL73 Series](#)  
[English](#)