



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



Resistor Type: **Low Ohmic Resistor**

Element Type: **Thick Film**

Package Size Code: **0805**

Power Rating: **.25 W**

Resistance Value: **.051  $\Omega$**

[All Thick Film Resistor: Current Sense \(177\)](#)

Features

Product Type Features

|                   |                    |
|-------------------|--------------------|
| Resistor Type     | Low Ohmic Resistor |
| Element Type      | Thick Film         |
| Package Size Code | 0805               |

Configuration Features

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

Electrical Characteristics

|                             |                   |
|-----------------------------|-------------------|
| Power Rating                | .25 W             |
| Resistance Value            | .051 $\Omega$     |
| 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 | .55 mm[.022 in]  |
| Product Length | 2 mm[.079 in]    |
| Product Width  | 1.25 mm[.049 in] |



Usage Conditions

|                         |                                   |
|-------------------------|-----------------------------------|
| Temperature Coefficient | $\pm 400$ ppm/ $^{\circ}\text{C}$ |
|-------------------------|-----------------------------------|

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 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.  |
| Solder Process Capability                     | Reflow solder capable to 260 $^{\circ}\text{C}$   |

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 # DT04-2P  
REC, 2P, GRY, N

TE Part # W2S  
Wedgelocks: DEUTSCH DT

TE Part # 0460-202-16141  
DEUTSCH Solid Contacts

TE Part # 282104-1  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING

TE Part # DT06-2S  
PLG, 2P, GRY, N

TE Part # 281934-2  
SINGLE WIRE SEAL

TE Part # 114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

RLP73M 2A R051 5% 5K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2176054-1\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2176054-1\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2176054-1\_BA.3d\_stp.zip

RLP73M2AR051JTD

Low Ohmic Resistor, Thick Film, 0805, .25 W, .051  $\Omega$ , 5 %,  $\pm 400$  ppm/ $^{\circ}\text{C}$ , Solder, 2 Termination, Height .022 in [.55 mm], CGS RLP73



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 RL73 Series**  
English