



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



Resistor Type: **Current Sensing Resistor**  
Element Type: **Thick Film**  
Package Size Code: **0402**  
Power Rating: **.0625 W**  
Resistance Value: **10  $\Omega$**

[All Thick Film Resistor: Current Sense \(434\)](#)

Features

Product Type Features

Resistor Type	Current Sensing Resistor
Element Type	Thick Film
Package Size Code	0402

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Power Rating	.0625 W
Resistance Value	10 $\Omega$
Resistance Class	Up to 1k $\Omega$
Passive Component Tolerance	1 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.32 mm[.013 in]
Product Length	1 mm[.039 in]



Product Width	.5 mm[.02 in]
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Usage Conditions

Temperature Coefficient	±300 ppm/°C
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Packaging Features

Packaging Method	Taped & Reeled
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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 2025 (250) Candidate List Declared Against: JUNE 2023 (235) 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

RL73N1ER10FTDF

10 ohm, Thick Film, Current Sensing Resistor, 1 %, 0402, .0625 W, ±300 ppm/°C, Solder, 2 Terminations, .32 mm [.013 in] Height, CGS RL73





TE Part # CAT-C339-R529  
[Thick Film Resistor: Current Sense](#)



TE Part # 6-1622824-1  
[RL73N 1J R10 5% 5K RL](#)

Also in the Series | [CGS RL73](#)



[Surface Mount Resistors\(472\)](#)

Customers Also Bought



TE Part #1-830611-0  
[LGH 1/2 SNGL MLD END](#)



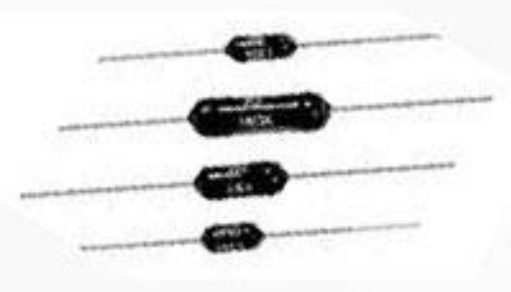
TE Part #9-1625971-5  
[HSA25 R01 10%](#)



TE Part #1-1879353-9  
[RR02 5% 24K AMMO](#)



TE Part #7-1879354-5  
[RR03 5% 390R AMMO](#)



TE Part #7-1879648-1  
[H4P 287R 0.5% 100PPM](#)



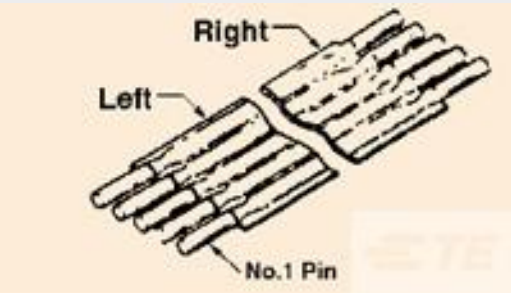
TE Part #7-2176305-3  
[RP 1E 0.1W 604R 0.1% 25PPM 5K RL](#)



TE Part #3-2176307-2  
[RP 1E 0.1W 26K1 0.1% 25PPM 5K RL](#)



TE Part #2337238-3  
[TACT MINI GW 5.2X5.2X2 160GF](#)



TE Part #3-1437162-8  
[FSP-12A-11](#)



TE Part #2-2176392-9  
[RQ 1206 261K 0.1% 10PPM 5K RL](#)



Documents

Product Drawings

RL73N 1E R10 1% 1K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-1879459-5\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-1879459-5\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-1879459-5\_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 Low Ohmic Current Sense Resistors - Type RL73 Series

English

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[2-1879459-5](#)