



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



Resistor Type: **Current Sensing Resistor**
Element Type: **Thick Film**
Package Size Code: **2512**
Power Rating: **2 W**
Resistance Value: **.018 Ω**

[All Thick Film Resistor: Current Sense \(190\)](#)

Features

Product Type Features

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

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Power Rating	2 W
Resistance Value	.018 Ω
Resistance Class	Up to 1kΩ
Passive Component Tolerance	1 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.74 mm[.029 in]
Product Length	6.35 mm[.25 in]



Product Width	3.15 mm[.124 in]
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Usage Conditions

Temperature Coefficient	±600 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 2024 (241) 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

RLP73V3AR018FTDF

Current Sensing Resistor, Thick Film, 2512, 2 W, .018 ohm, 1 %, ±600 ppm/°C, Solder, 2 Termination, Height .74 mm [.029 in], CGS RLP73





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(337)

Customers Also Bought



TE Part #1473005-1
SEMI HARD TRAY DDR SOCKET 200P



TE Part #8-215079-2
Female-on-Board Connector, Top Entry



TE Part #3-2176056-6
RLP73K 2B R30 5% 5K RL



TE Part #2309407-1
DDR4 SODIMM 260P 4.0H STD



TE Part #2-1879338-2
CPF 0603 44K2 1% 50PPM 1K RL



TE Part #9-2176524-1
3503G 2B 4K75 1% 1K RL



TE Part #ANT-GNSSCP-SM12L1
Antenna GNSS L1 12x12 SMT



TE Part #7-2176421-9
TLRP 2512 2.0W R012 1% 75PPM 4K RL

Documents

Product Drawings
RLP73V 3A R018 1% 1K RL

English

CAD Files
3D PDF

3D



Customer View Model

[ENG_CVM_CVM_2176057-7_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176057-7_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176057-7_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