



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 1k Ω
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]

Usage Conditions

Temperature Coefficient

 ± 600 ppm/ $^{\circ}\text{C}$ **Packaging Features**

Packaging Method

Taped & Reeled

Other

EU RoHS Compliance

Compliant with Exemptions

EU ELV Compliance

Compliant with Exemptions

Product ComplianceFor compliance documentation, visit the product page on [TE.com](https://www.te.com/compliance)>

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



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



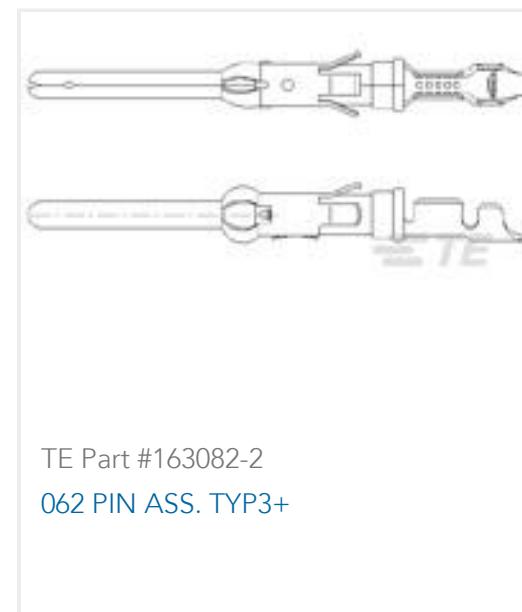
TE Part #3-1622820-1
3520 2K2 5%



TE Part #5-2176070-7
3521 2K2 1% 2W



TE Part #1-1825910-0
FSM6JH=6MM TACT SWITCH, HIGH TEMP



TE Part #163082-2
062 PIN ASS. TYP3+



TE Part #1623773-9
C10 15K 5% (LOOSE)



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



TE Part #6-1625890-2
2W SM M/OX 5% 5K6



TE Part #1879252-8
RP 2B 4R99 0.1% 15PPM 1K RL



TE Part #5-1879134-1
RN 0603 33K2 0.1% 10PPM 1K RL



TE Part #5-2176458-8
CPF 1206 3R92 0.1% 25ppm 1K 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