



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0603**

Power Rating: **.166 W**

Resistance Value: **178K Ω**

Features

Product Type Features

Resistor Type	Precision Resistor
Element Type	Thin Film
Package Size Code	0603

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	150 V
Power Rating	.166 W
Resistance Value	178K Ω
Resistance Class	1k Ω – 1M Ω
Passive Component Tolerance	.1 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2



Dimensions

Product Height	.45 mm[.018 in]
Product Length	1.55 mm[.061 in]
Product Width	.8 mm[.031 in]

Usage Conditions

Operating Temperature Range	-55 – 155 $^{\circ}\text{C}$
Temperature Coefficient	± 15 ppm/ $^{\circ}\text{C}$

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
EU ELV Directive 2000/53/EC	Compliant
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 $^{\circ}\text{C}$

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 # 1-2176090-1
RP 1J 0.166W 165K 0.1% 25PPM 1K RL

TE Part # 4-2176090-2
RP 1J 0.166W 1K0 0.1% 25PPM 5K RL

Also in the Series

Holsworthy RP73

Surface Mount Resistors(4556)

Customers Also Bought

TE Part #167292-1
09P.HDP20 PLUG ASSY

TE Part #166293-1
LP HD20 COSI PIN CONTACT DF; 24-20 AWG

TE Part #207008-5
CABLE CLAMP, SIZE 13

TE Part #7-1676481-8
CPF 0603 12K 0.1% 25PPM 1K RL

TE Part #4-2176371-0
RQ 0603 11K8 0.1% 10PPM 5K RL

TE Part #6-2176371-8
RQ 0603 23K2 0.1% 10PPM 5K RL

TE Part #8-2176369-2
RQ 0603 280R 0.1% 10PPM 5K RL

TE Part #CB03314003
RW-200-E-3/16-0-SP

TE Part #9-1614891-2
CPF 0805 649R 0.1% 25PPM 1K RL



Documents

Product Drawings

RP 1J 0.166W 178K 0.1% 25PPM 1K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176090-4_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176090-4_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176090-4_BA.3d_stp.zip

English

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

Datasheets & Catalog Pages

RP73-0915

English