



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Package Size Code: **2512**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Power Resistor
Package Size Code	2512
Element Type	Thin Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	100 V
Passive Component Tolerance	1 %
Resistance Class	1k Ω – 1M Ω
Resistance Value	1.5K Ω
Power Rating	6 W

Termination Features

Number of Terminations	2
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Surface Mount Resistor Termination Type

Solder

Dimensions

Passive Component Dimensions	6.3 x 3.1 x .43 mm
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Usage Conditions

Operating Temperature Range	-55 – 155 $^{\circ}\text{C}$
Temperature Coefficient	± 50 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

3504G3A1K5FTDF

1.5K Ω , Thin Film, Power Resistor, 1 %, 2 Termination, 2512, Taped & Reeled, 6 W, ± 50 ppm/ $^{\circ}\text{C}$, Solder, 6.3 x 3.1 x .43 mm, CGS 3504



TE Part # 4-2176533-3

3504G 3A 1K5 1% 4K RL

Also in the Series | CGS 3504

Surface Mount Resistors(534)

Customers Also Bought

TE Part #9-2176380-4

RQ 0805 10K7 0.1% 10PPM 5K RL

TE Part #2-2176379-4

RQ 0805 187R 0.1% 10PPM 5K RL

TE Part #2-2176381-5

RQ 0805 22K1 0.1% 10PPM 5K RL

TE Part #4-2176378-4

RQ 0805 28R 0.1% 10PPM 5K RL

TE Part #5-2176380-0

RQ 0805 3K74 0.1% 10PPM 5K RL

TE Part #6-2176380-3

RQ 0805 5K11 0.1% 10PPM 5K RL

TE Part #7-2176381-2

RQ 0805 68K1 0.1% 10PPM 5K RL

TE Part #7-2176380-0

RQ 0805 6K04 0.1% 10PPM 5K RL

TE Part #8-2176530-4

3504G 3A 4K02 1% 1K RL

TE Part #8-2176381-8

RQ 0805 100K 0.1% 10PPM 5K RL



Documents

Product Drawings

3504G 3A 1K5 1% 1K RL

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-2176530-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2176530-3_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_4-2176530-3_A.2d_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

1773270-5

English