



Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 2 Watt, 3521 Series



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Package Size Code: **2512**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

[All SMD Power Resistor: 2 Watt, 3521 Series \(121\)](#)

Features

Product Type Features

Resistor Type	Power Resistor
Package Size Code	2512
Element Type	Thick Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	250 V
Passive Component Tolerance	1 %
Resistance Class	1k Ω – 1M Ω
Resistance Value	100K Ω
Power Rating	2 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Dimensions

Passive Component Dimensions	6.35 x 3.2 x .55 mm
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Usage Conditions



Temperature Coefficient	± 100 ppm/ $^{\circ}\text{C}$
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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	Not Compliant
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 2023 (235) 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 $^{\circ}\text{C}$

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





Also in the Series

CGS 3521

Surface Mount Resistors(124)

Customers Also Bought

TE Part #747844-6
09 MSFL RCPT RA 318 (SL,FM,BL)

TE Part #1625812-2
3631B 100UH 15% FIO

TE Part #2-2176325-6
CRGP 0402 1K2 1%

TE Part #2-2176304-5
RP 1E 0.1W 17R8 0.1% 25PPM 5K RL

TE Part #5413631-1
JACK,RTANG, PCB,50 OHM, BNC

TE Part #5787441-1
HDR ASY,RA,NO KEY,STR TAIL

TE Part #1-2176264-3
RN 0805 681K 0.1% 10PPM 1K RL

TE Part #1-2176467-0
TLRP 1206 1.0W R004 1% 75PPM 5K RL

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_9-2176070-7_BB.2d_dxf.zip
- English
- Customer View Model
- ENG_CVM_CVM_9-2176070-7_BB.3d_igs.zip
- English
- Customer View Model
- ENG_CVM_CVM_9-2176070-7_BB.3d_stp.zip
- English

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

Datasheets & Catalog Pages

3521100KFT

100K Ω , Thick Film, Power Resistor, 1 %, 2 Termination, 2512, Taped & Reeled, 2 W, ± 100 ppm/ $^{\circ}$ C, Solder, 6.35 x 3.2 x .55 mm, CGS 3521



SMD Power Resistor - Type 3521 Series

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English