



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

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

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	250 V
Passive Component Tolerance	1 %
Resistance Class	1k $\Omega$ – 1M $\Omega$
Resistance Value	510K $\Omega$
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	$\pm 100$ 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	Compliant with Exemptions
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: JUL 2021 (219) 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

3521510KFT

510K  $\Omega$ , Thick Film, Power Resistor, 1 %, 2 Termination, 2512, Taped & Reeled, 2 W,  $\pm 100$  ppm/ $^{\circ}\text{C}$ , Solder, 6.35 x 3.2 x .55 mm, CGS 3521





TE Part # CAT-C339-A76A

SMD Power Resistor: 2 Watt, 3521 Series

Also in the Series | CGS 3521



Surface Mount Resistors(124)

Customers Also Bought



TE Part #6-2176070-0

SMD Power Resistor: 2 Watt, 3521 Series



TE Part #7-1622825-1

RL73K 2B R33 5% 5K RL



TE Part #6-1879234-6

SMF5 270K 5%



TE Part #6-928247-2

2P ST-TIMER GEH



TE Part #7-2176398-6

3502 2R7 5%



TE Part #2-2176331-6

CRGP 2512 1K2 1%



TE Part #CSI-RGFE-300-UFFR

RP-SMA to U.FL/MHF1 300mm 1.13 OD



TE Part #OTX-433-HH-KF5-MS

Remote MS 433MHz OOK AM 5Btn KF TX EU

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-2176071-5\_BC.2d\_dxf.zip

English

3521510KFT

510K  $\Omega$ , Thick Film, Power Resistor, 1 %, 2 Termination, 2512, Taped & Reeled, 2 W,  $\pm 100$  ppm/ $^{\circ}\text{C}$ , Solder, 6.35 x 3.2 x .55 mm, CGS 3521



Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176071-5\\_BC.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176071-5\\_BC.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

[SMD Power Resistor - Type 3521 Series](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English