



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Number of Terminations: **2**

Size Code: **2512**

Packaging Method: **Taped & Reeled**

Tolerance: **1%**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	General Purpose Resistor
Size Code	2512
Element Type	Thick Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	250 V
Tolerance	1%
Resistance Range	Up to 1kΩ Ω
Resistance	10 Ω
Power Rating	2 W

Termination Features

Number of Terminations	2
Termination Type	Solder

Mechanical Attachment

Mount Style	Surface Mount
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Dimensions

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Dimensions	6.35 x 3.2 x .55 mm
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Usage Conditions

Temperature Coefficient	±100 ppm/°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	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201)
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Model / Part # 2176070-8
3521 20R 1% 2W



TE Model / Part # 1-2176070-7
3521 47R 1% 2W



TE Model / Part # 5-2176070-6
3521 2K0 1% 2W



TE Model / Part # 2176070-7
3521 18R 1% 2W



TE Model / Part # 5-2176070-9
3521 2K7 1% 2W

Also in the Series | CGS 3521



Surface Mount Resistors
(136)

Customers Also Bought



TE Model / Part #1-1337481-0
SMB R/A PCB Skt 50Ohm Gold Plt



TE Model / Part #2-1437565-7
FSM2JSMA=SMT,TACTILE, PB SWITCH



TE Model / Part #1241050-5
2x5P MOD II BREAK AWAY HDR,SMD, BLISTER



TE Model / Part #2176070-8
3521 20R 1% 2W



TE Model / Part #826926-2
AMPMODU II PIN HEADER



TE Model / Part #1241050-3
2x3P MOD II BREAK AWAY HDR,SMD, BLISTER



TE Model / Part #1-1337445-0
BNC Str PCB Skt 50Ohm Silver P



TE Model / Part #1-1337482-0
SMB Str PCB Skt 50Ohm Gold Plt



TE Model / Part #2-
2176070-5
[3521 100R 1% 2W](#)



TE Model / Part #2176070-5
[3521 15R 1% 2W](#)

Documents

Product Drawings

[3521 10R 1% 2W](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2176070-1_BB.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176070-1_BB.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176070-1_BB.3d_stp.zip](#)

English

Datasheets & Catalog Pages

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

English

Product Environmental Compliance

[TE Material Declaration](#)

English