



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: **5 %**

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

Passive Component Tolerance	5 %
Resistance Class	1k Ω – 1M Ω
Resistance Value	5.6K Ω
Power Rating	3 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	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: 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



TE Part # CAT-C339-A76B
SMD Power Resistor: 3 Watt, 1% Tol

TE Part # 4-2176230-2
3522 2K2 5% 3W

Also in the Series | CGS 3522

Surface Mount Resistors(211)

Customers Also Bought

TE Part #5-2176070-1
3521 1K2 1% 2W

TE Part #6-1676481-7
CPF 0603 3K9 0.1% 25PPM 1K RL

TE Part #3-1825910-5
FSM18JH=6MM TACT SWITCH, HIGH TEMP

TE Part #1-2176331-1
CRGP 2512 68R 1%

TE Part #6-2176381-3
RQ 0805 54K9 0.1% 10PPM 5K RL

TE Part #6-338314-2
15POS.HD20 REC.ASSY

TE Part #133044-E
MJ DS-LG5 *** 8 8 8 *** 30 * J 3 133

TE Part #957154-000
S02-07-R-90

TE Part #254324-E
STVC/2 48 M ABC VVV 4-00 0606 ** 247 E0

TE Part #254498-E
STVC/2 48 F ABC VVV 7-00 TL 2,5 * 247 E0



Documents

Product Drawings

3522 5K6 5% 3W

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2176230-7_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-2176230-7_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2176230-7_BA.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 RESISTORS - TYPE 3522 SERIES

English