



Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 3 Watt, 5% Tol



Resistor Type: **Power Resistor**
Element Type: **Thick Film**
Package Size Code: **2512**
Power Rating: **3 W**
Resistance Value: **6.8K Ω**

[All SMD Power Resistor: 3 Watt, 5% Tol \(67\)](#)

Features

Product Type Features

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

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Power Rating	3 W
Resistance Value	6.8K Ω
Resistance Class	1k Ω – 1M Ω
Passive Component Tolerance	5 %

Termination Features

Surface Mount Resistor Termination Type	Solder
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Number of Terminations	2
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Dimensions

Product Height	1.1 mm[.043 in]
Product Length	6.35 mm[.25 in]
Product Width	3.2 mm[.126 in]

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: JUNE 2024 (241) 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°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 #T4171110005-001
M12,REAR MOUNTING,FEMALE,A,5P, 0.2M WIRE

TE Part #4-1393211-3
T92P11A22-24

TE Part #4-2176070-1
3521 470R 1% 2W

TE Part #8-2176231-9
3522 47K 1% 3W

TE Part #T4145015051-001
M12 R/A F PNLREAR STAMPED PIN A-CODE 5P

TE Part #2-520401-2
ULTRA-FAST 187 ASY REC 22-18 TPBR

TE Part #3-2176346-4
CRGCQ 1210 330K 5%

TE Part #6-6447163-9
FSN-24A-20

Documents

Product Drawings
3522 6K8 5% 3W

English

CAD Files
Customer View Model
ENG_CVM_CVM_4-2176230-8_BA.2d_dxf.zip

35226K8JT

Power Resistor, Thick Film, 2512, 3 W, 6.8K ohm, 5 %, ±100 ppm/°C, Solder, 2 Termination, Height 1.1 mm [.043 in], Length 6.35 mm [.25 in], CGS 3522



English

Customer View Model

[ENG_CVM_CVM_4-2176230-8_BA.3d_igs.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_4-2176230-8_BA.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[SMD POWER RESISTORS - TYPE 3522 SERIES](#)

English