



Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 3 Watt, 1% Tol



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Package Size Code: **2512**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **5 %**

[All SMD Power Resistor: 3 Watt, 1% Tol \(140\)](#)

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	Up to 1kΩ
Resistance Value	1 Ω
Power Rating	3 W

Termination Features

Number of Terminations	2
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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	±400 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	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°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 # CAT-C339-A76C SMD Power Resistor: 3 Watt, 5% Tol	 TE Part # 6-2176230-2 3522 100K 5% 3W	 TE Part # 5-2176230-0 3522 10K 5% 3W
 TE Part # 5-2176230-1 3522 12K 5% 3W	 TE Part # 6-2176230-5 3522 180K 5% 3W	 TE Part # 5-2176230-3 3522 18K 5% 3W	 TE Part # 3-2176230-8 3522 1K0 5% 3W
 TE Part # 4-2176230-1 3522 1K8 5% 3W	 TE Part # 7-2176230-4 3522 1M0 5% 3W	 TE Part # 7-2176230-5 3522 1M2 5% 3W	 TE Part # 6-2176230-6 3522 220K 5% 3W
 TE Part # 3-2176230-0 3522 220R 5% 3W	 TE Part # 5-2176230-4 3522 22K 5% 3W	 TE Part # 4-2176230-2 3522 2K2 5% 3W	 TE Part # 7-2176230-8 3522 2M2 5% 3W
 TE Part # 5-2176230-7 3522 39K 5% 3W	 TE Part # 4-2176230-5 3522 3K9 5% 3W	 TE Part # 8-2176230-0 3522 3M3 5% 3W	 TE Part # 8-2176230-2 3522 4M7 5% 3W

Also in the Series | CGS 3522

35221R0JT

1 Ω, Thick Film, Power Resistor, 5 %, 2 Termination, 2512, Taped & Reeled, 3 W, ±400 ppm/°C, Solder, 6.35 x 3.2 x .55 mm, CGS 3522



Customers Also Bought



Documents

Product Drawings

3522 1R0 5% 3W

English

CAD Files

Customer View Model

ENG_CVM_CVM_2176230-2_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176230-2_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176230-2_BA.3d_stp.zip

English

3D PDF

3D

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

35221R0JT

1 Ω, Thick Film, Power Resistor, 5 %, 2 Termination, 2512, Taped & Reeled, 3 W, ±400 ppm/°C, Solder, 6.35 x 3.2 x .55 mm, CGS 3522



Datasheets & Catalog Pages
SMD POWER RESISTORS - TYPE 3522 SERIES

English

Product Environmental Compliance
Product Compliance

English

Product Compliance
English