



CGS | CGS 3522

TE Internal #: 3-2176231-5

270 Ω, Thick Film, Power Resistor, 1 %, 2 Termination, 2512, Taped & Reeled, 3 W, ±100 ppm/°C, Solder, 6.35 x 3.2 x .55 mm, CGS 3522

[View on TE.com >](#)

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: **1 %**

[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
---------------------	---

Electrical Characteristics

Passive Component Tolerance	1 %
Resistance Class	Up to 1kΩ
Resistance Value	270 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
------------------------------	---------------------

Usage Conditions



Temperature Coefficient	±100 ppm/°C
-------------------------	-------------

Packaging Features

Packaging Method	Taped & Reeled
------------------	----------------

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

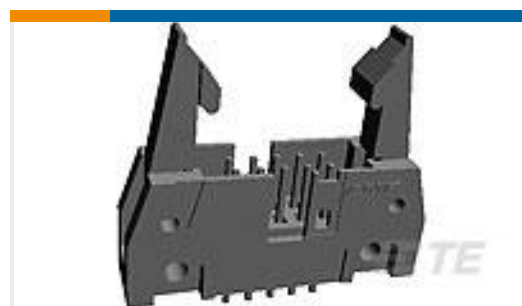


Also in the Series | CGS 3522



Surface Mount Resistors(211)

Customers Also Bought

TE Part #1-5102321-2
A/L UNIV HDR 64P VERT LG LATTE Part #7-1879233-3
SMW5 100R 5%TE Part #1-2176232-7
3522 620K 1% 3WTE Part #5-1879501-9
CRGH2512 5% 270R 2WTE Part #2-1625868-8
RP 2A 0.25W 10R2 0.1% 25PPM 1K RLTE Part #5-2337993-2
RJ45 JACK MAG. POE 10/100 LED
1X1 VERT.TE Part #4-2176347-7
CRGCO 2010 68K 1%TE Part #7-1879417-7
CPF0603 768K 0.1% 25PPM 1K RL

Documents

Product Drawings

[3522 270R 1% 3W](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_3-2176231-5_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-2176231-5_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-2176231-5_BA.3d_stp.zip](#)

3522270RFT

270 Ω , Thick Film, Power Resistor, 1 %, 2 Termination, 2512, Taped & Reeled, 3 W, ± 100 ppm/ $^{\circ}\text{C}$, Solder, 6.35 x 3.2 x .55 mm, CGS 3522



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

Product Environmental Compliance

Product Compliance

English

Product Compliance

English