

CGS | CGS 3522

TE Internal #: 2-2176231-5

100 ohm, Surface Mount Power Resistor, Thick Film, 2512, 3 W, 1 %, ±100 ppm/°C, Solder, 2 Terminations, 1.1 mm [.043 in] Height, CGS 3522

View on TE.com >



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



Resistance Value: 100Ω

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

Power Rating: 3 W

All SMD Power Resistor: 3 Watt, 1% Tol (140)

Features

Product Type Features

Troduct Type realures	
Resistor Type	Power Resistor
Element Type	Thick Film
Package Size Code	2512
Configuration Features	
Number of Resistors	1
Electrical Characteristics	
Resistance Value	100 Ω
Power Rating	3 W
Resistance Class	Up to $1k\Omega$
Passive Component Tolerance	1 %
Termination Features	
Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

1.1 mm[.043 in]

6.35 mm[.25 in]

Dimensions

Product Height

Product Length



Product Width	3.2 mm[.126 in]
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

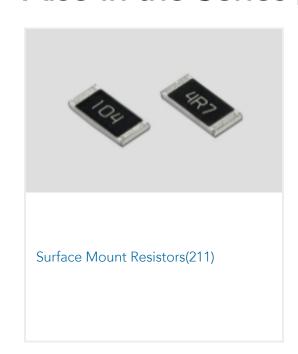
100 ohm, Surface Mount Power Resistor, Thick Film, 2512, 3 W, 1 %, \pm 100 ppm/°C, Solder, 2 Terminations, 1.1 mm [.043 in] Height, CGS 3522







Also in the Series | CGS 3522



Customers Also Bought











Documents

Product Drawings 3522 100R 1% 3W

English

CAD Files

3D PDF

3D

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Customer View Model

ENG_CVM_CVM_2-2176231-5_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-2176231-5_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-2176231-5_BA.3d_stp.zip

English

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Datasheets & Catalog Pages

SMD POWER RESISTORS - TYPE 3522 SERIES

English