



CGS | CGS 3520

TE Internal #: 5-1622820-7

680 ohm, Surface Mount Power Resistor, Thick Film, 2512, 1 W, 5 %, ±200 ppm/°C, Solder, 2 Terminations, .6 mm [.024 in] Height, CGS 3520

[View on TE.com >](#)

Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 1 Watt, 3520 Series



Resistance Value: 680 Ω

Resistor Type: Power Resistor

Element Type: Thick Film

Package Size Code: 2512

Power Rating: 1 W

[All SMD Power Resistor: 1 Watt, 3520 Series \(132\)](#)

Features

Electrical Characteristics

Operating Voltage	200 V
Resistance Value	680 Ω
Power Rating	1 W
Resistance Class	Up to 1kΩ
Passive Component Tolerance	5 %

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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Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.6 mm [.024 in]
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Product Length	6.4 mm[.252 in]
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Product Width	3.2 mm[.126 in]
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Usage Conditions

Temperature Coefficient	± 200 ppm/ $^{\circ}$ C
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Packaging Features

Packaging Method	Taped & Reeled
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Other

EU RoHS Compliance	Compliant with Exemptions
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EU ELV Compliance	Compliant with Exemptions
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260 $^{\circ}$ C
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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 3520



Customers Also Bought





Documents

Product Drawings

[3520 680R 5%](#)

English

[3520 680R 5%](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_5-1622820-7_BA.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5-1622820-7_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1622820-7_BA.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1309350_PASSIVE_COMPONENT](#)

English

[SMD Power Resistors - Type 3520 Series - Tyco Electronics Passives](#)

English