

CGS | CGS 3502

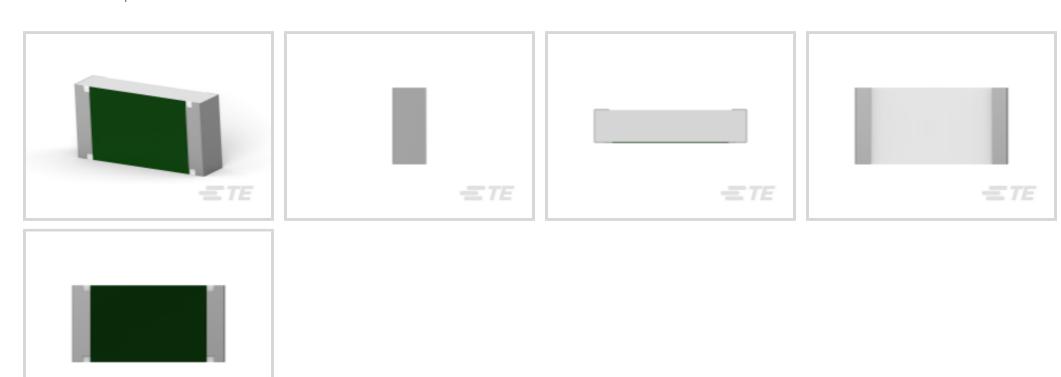
TE Internal #: 1-2176397-8

Power Resistor, Thick Metal Film, 2010, 2 W, 5.1 ohm, 1 %, ±200 ppm/°C, Solder, 2 Termination, Height 1.1 mm [.043 in], CGS 3502

View on TE.com >



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: Power Resistor

=TE

Surface Mount Resistor Termination Type

Number of Terminations

Element Type: Thick Metal Film

Package Size Code: 2010

Power Rating: 2W

Resistance Value: 5.1Ω

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Thick Metal Film
Package Size Code	2010
Electrical Characteristics	
Power Rating	2 W
Resistance Value	5.1 Ω
Resistance Class	Up to $1k\Omega$
Passive Component Tolerance	1 %
Operating Voltage	200 V
Usage Conditions	
Temperature Coefficient	±200 ppm/°C
Termination Features	

Solder

2



Dimensions

Product Height	1.1 mm[.043 in]
Product Length	5 mm[.197 in]
Product Width	2.5 mm[.098 in]

Configuration Features

Number of Resistors	1
---------------------	---

Packaging Features

Other

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

Product Compliance

For compliance documentation, visit the product page on TE.com>

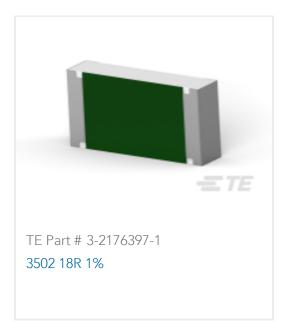
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: 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

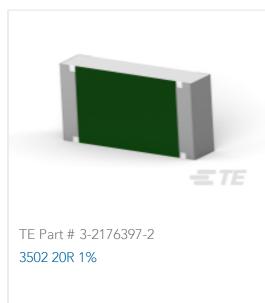
Product Compliance Disclaimer

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



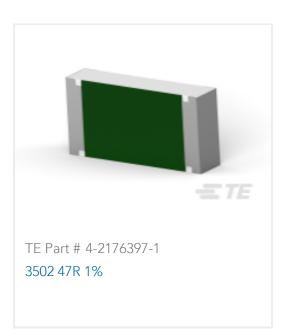
Compatible Parts



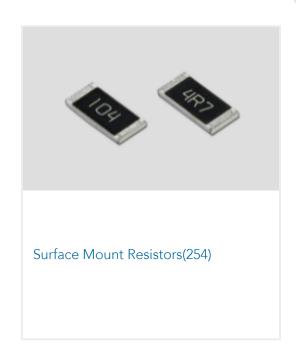








Also in the Series | CGS 3502



Customers Also Bought



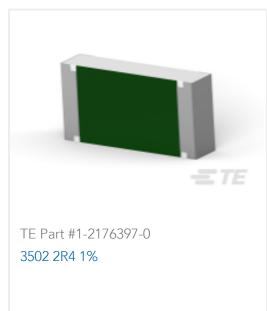






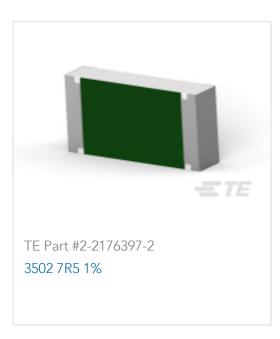


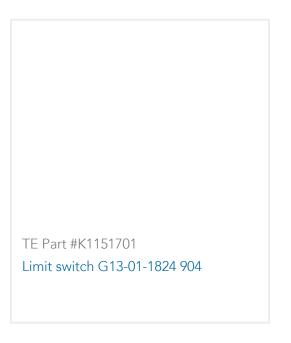












Documents

Product Drawings

3502 5R1 1%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176397-8_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176397-8_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176397-8_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

SMD HIGH POWER RESISTORS - TYPE 3502 SERIES

English