

CGS | CGS 3503

TE Internal #: 2176526-7 59 Ω, Thin Film, Power Resistor, 1 %, 2 Termination, 1206, Taped & Reeled, 2 W, ±50 ppm/°C, Solder, Height .017 in [.43 mm], CGS 3503

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Resistor Type: **Power Resistor** Number of Terminations: **2** Package Size Code: **1206**

Packaging Method: Taped & Reeled

Passive Component Tolerance: 1%

Features



Product Type Features

Resistor Type	Power Resistor
Package Size Code	1206
Element Type	Thin Film
Configuration Features	
Number of Resistors	1
Electrical Characteristics	
Operating Voltage	100 V
Passive Component Tolerance	1 %
Resistance Class	Up to 1kΩ
Resistance Value	59 Ω
Power Rating	2 W
Termination Features	
Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

3503G2B59RFTD

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Dimensions

Product Height	.43 mm[.017 in]
Product Length	3.05 mm[.12 in]
Product Width	1.55 mm[.061 in]
Usage Conditions	
Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±50 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
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235)

2023 (235) Does not contain REACH SVHC

Candidate List Declared Against: JUNE

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

Reflow solder capable to 260°C

Halogen Content

Solder Process Capability

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

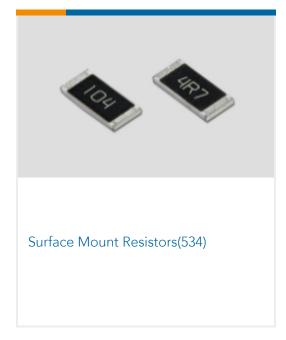
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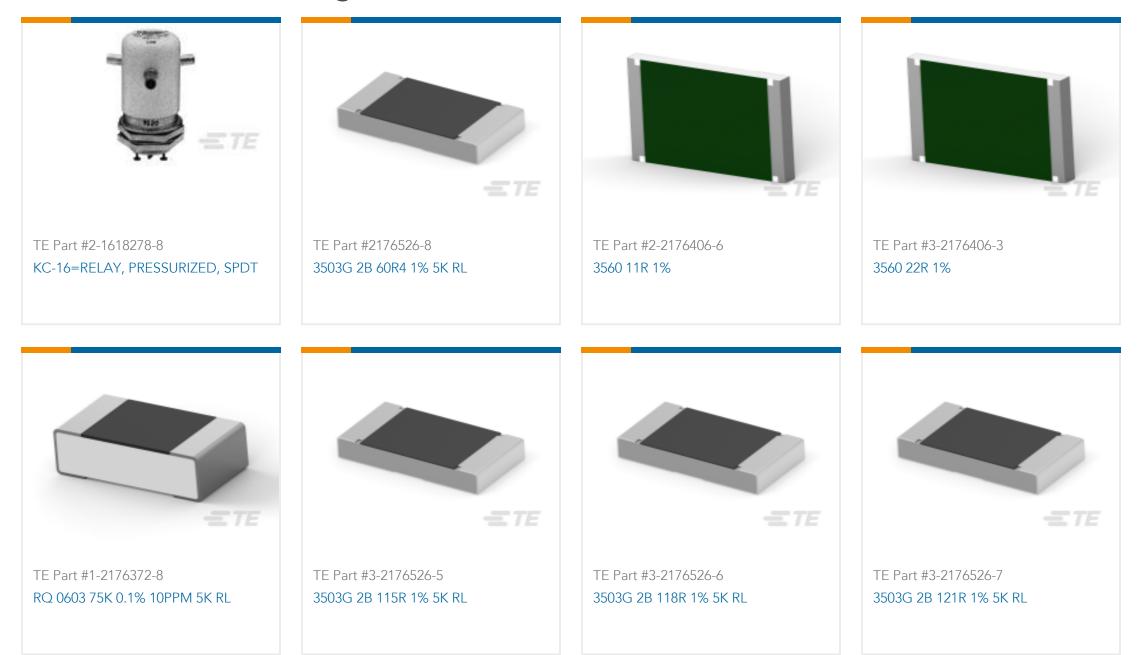




Also in the Series | CGS 3503



Customers Also Bought





3503G2B59RFTD

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Documents

Product Drawings 3503G 2B 59R 1% 5K RL

English

CAD Files

Customer View Model ENG_CVM_CVM_2176526-7_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176526-7_A.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2176526-7_A.2d_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

Aluminium Nitride Thin Film Power Resistor - Type 3503 Series

English