# 3503G2B309RFTD ACTIVE

## CGS | CGS 3503

TE Internal #: 7-2176526-6

309  $\Omega$ , Thin Film, Power Resistor, 1 %, 2 Termination, 1206, Taped & Reeled, 2 W,  $\pm 50$  ppm/°C, Solder, 3.05 x 1.55 x .43 mm, CGS 3503

View on TE.com >



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: Power Resistor

Number of Terminations: 2

Package Size Code: 1206

Packaging Method: Taped & Reeled
Passive Component Tolerance: 1%

## **Features**

### **Product Type Features**

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Product Type	Fixed Resistor	
Resistor Type	Power Resistor	
Package Size Code	1206	
Element Type	Thin Film	
Configuration Features		
Number of Resistors	1	
Electrical Characteristics		
Voltage Rating	100 V	
Passive Component Tolerance	1 %	
Resistance Class	Up to $1k\Omega$	
Resistance Value	309 Ω	
Power Rating	2 W	
Termination Features		

Number of Terminations



Surface Mount Resistor Termination Type	Solder

#### **Dimensions**

Passive Component Dimensions 3.05 x 1.55 x .43 mm	ve Component Dimensions	3.05 x 1.55 x .43 mm
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### **Usage Conditions**

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±50 ppm/°C

#### **Packaging Features**

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## **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) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Reflow solder capable to 260°C

#### Product Compliance Disclaimer

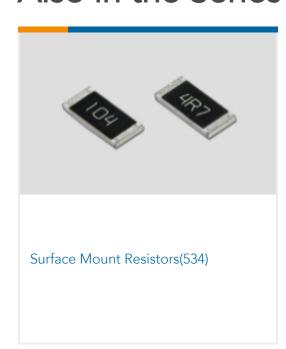
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 3503



### **Documents**

**Product Drawings** 

3503G 2B 309R 1% 5K RL

English

#### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_7-2176526-6\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_7-2176526-6\_A.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_7-2176526-6\_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