

### CGS | CGS 3522

TE Internal #: 2176230-6

2.2 ohm, Surface Mount Power Resistor, Thick Film, 2512, 3 W, 5 %, ±400 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:  $2.2 \Omega$ 

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**

Resistor Type	Power Resistor
Element Type	Thick Film
Package Size Code	2512
Configuration Features	
Number of Resistors	1
Electrical Characteristics	
Operating Voltage	250 V
Resistance Value	2.2 Ω
Power Rating	3 W
Resistance Class	Up to $1k\Omega$
Passive Component Tolerance	5 %



Surface Mount Resistor Termination Type	Solder
Number of Terminations	2
Dimensions	
Product Height	1.1 mm[.043 in]
Product Length	6.35 mm[.25 in]
Product Width	3.2 mm[.126 in]
Usage Conditions	
Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±400 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	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: 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

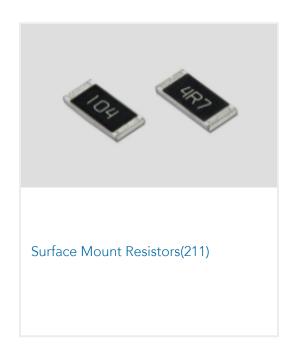


## Compatible Parts





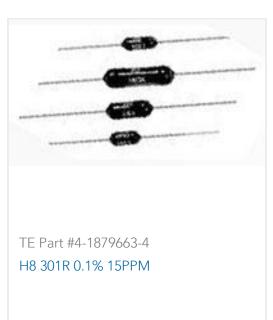
## Also in the Series | CGS 3522



# Customers Also Bought















TE Part #2018428-1 PULLEY,5P, 14T,20 W,TRACKING

## **Documents**

Product Drawings 3522 2R2 5% 3W

English

**CAD Files** 

2.2 ohm, Surface Mount Power Resistor, Thick Film, 2512, 3 W, 5 %, ±400 ppm/°C, Solder, 2 Terminations, 1.1 mm [.043 in] Height, CGS 3522



3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2176230-6\_BA.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2176230-6\_BA.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2176230-6\_BA.2d\_dxf.zip

English

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Datasheets & Catalog Pages

SMD POWER RESISTORS - TYPE 3522 SERIES

English