

352247RJT ✓ ACTIVE

CGS | CGS 3522

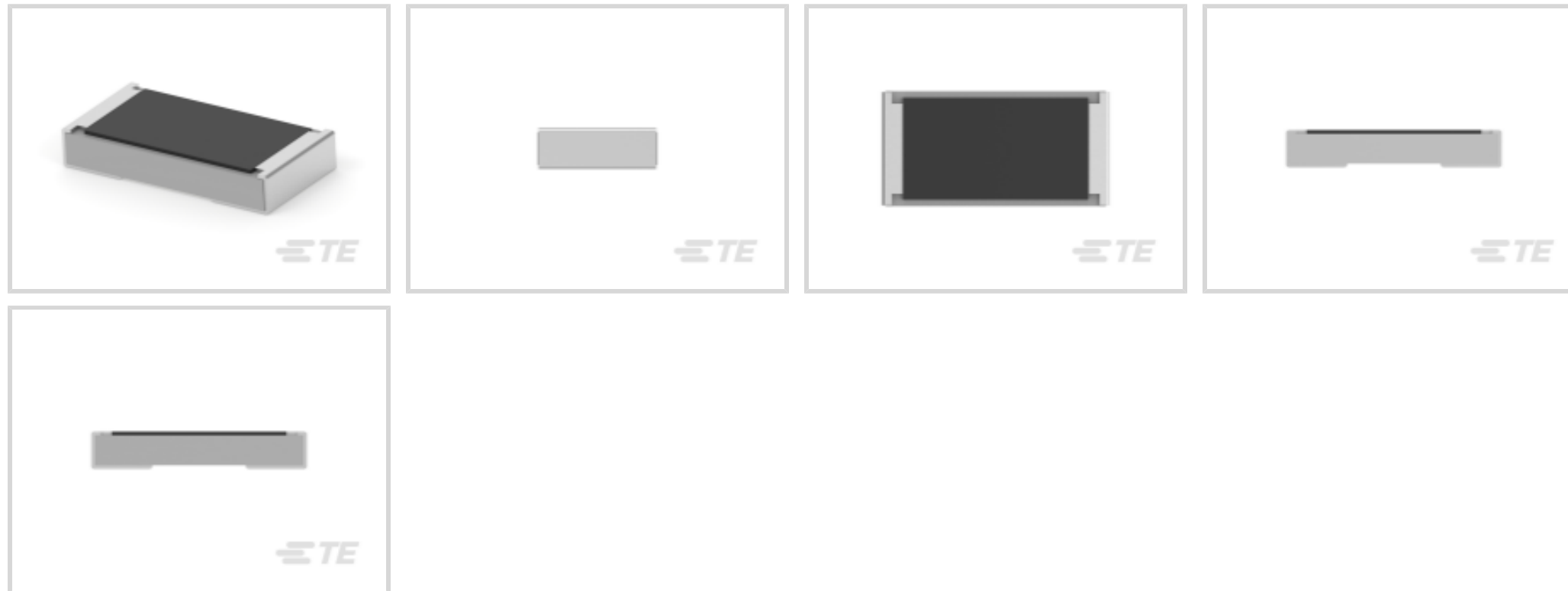
TE Internal #: 2-2176230-2

47  $\Omega$ , Thick Film, Power Resistor, 5 %, 2 Termination, 2512, Taped & Reeled, 3 W,  $\pm 100$  ppm/ $^{\circ}\text{C}$ , Solder, 6.35 x 3.2 x .55 mm, CGS 3522

[View on TE.com >](#)



Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 3 Watt, 5% Tol



Resistor Type: **Power Resistor**

Number of Terminations: 2

Package Size Code: **2512**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **5 %**

[All SMD Power Resistor: 3 Watt, 5% Tol \(36\)](#)

## Features

### Product Type Features

Product Type	Fixed Resistor
Resistor Type	Power Resistor
Package Size Code	2512
Element Type	Thick Film

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Passive Component Tolerance	5 %
Resistance Class	Up to 1k $\Omega$
Resistance Value	47 $\Omega$
Power Rating	3 W

### Termination Features

Number of Terminations	2
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Surface Mount Resistor Termination Type

Solder

### Dimensions

Passive Component Dimensions

6.35 x 3.2 x .55 mm

### Usage Conditions

Temperature Coefficient

 $\pm 100$  ppm/ $^{\circ}\text{C}$ 

### Packaging Features

Packaging Method

Taped &amp; 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: JUNE 2023 (235)  
 Candidate List Declared Against: JUNE 2022 (224)  
 SVHC > Threshold:  
 Pb (2.97% in Component part)  
**Article Safe Usage Statements:**  
 Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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 $^{\circ}\text{C}$ 

#### 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



## Documents

[Product Drawings](#)  
[3522 47R 5% 3W](#)

English

[CAD Files](#)  
[Customer View Model](#)  
[ENG\\_CVM\\_CVM\\_2-2176230-2\\_BA.3d\\_stp.zip](#)



English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2176230-2\\_BA.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2176230-2\\_BA.3d\\_igs.zip](#)

English

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

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### Datasheets & Catalog Pages

[SMD POWER RESISTORS - TYPE 3522 SERIES](#)

English

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### Product Environmental Compliance

[MD\\_2-2176230-2\\_02092017449\\_dmtec](#)

English

[MD\\_2-2176230-2\\_02092017449\\_dmtec](#)

English