

35023M3FT ✓ ACTIVE

CGS | CGS 3502

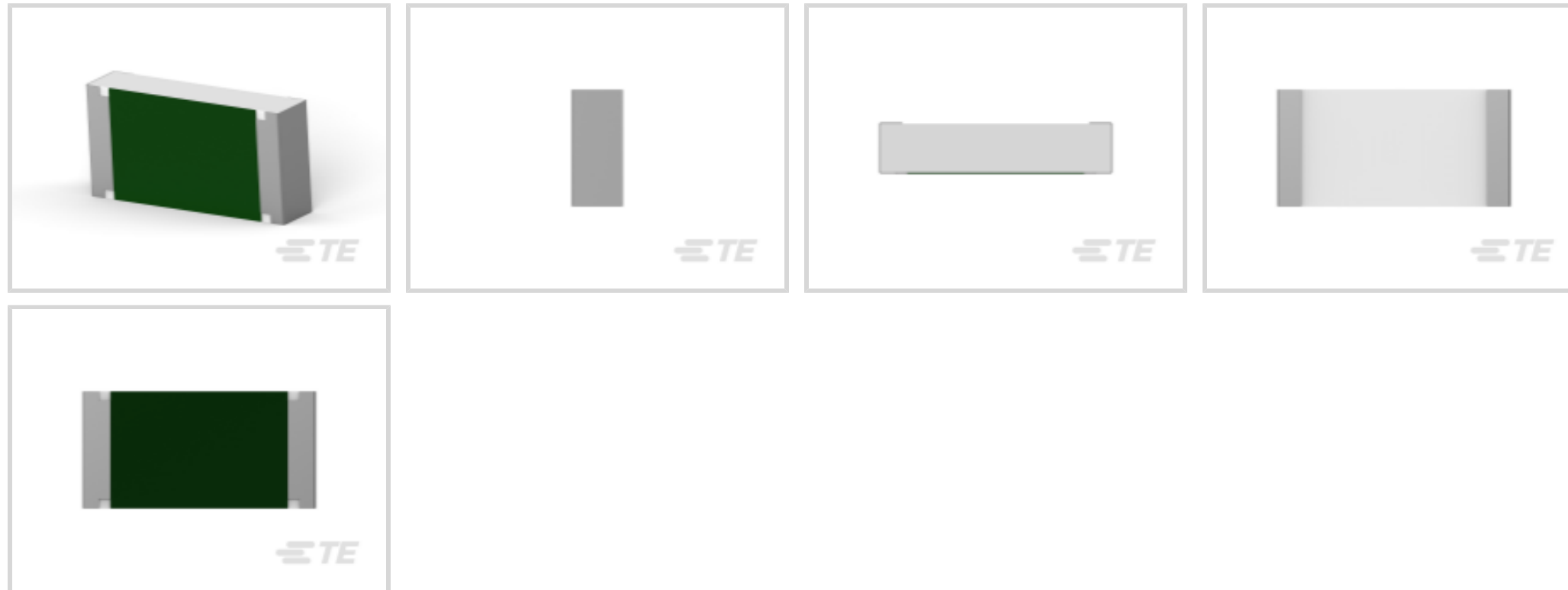
TE Internal #: 5-2176398-8

Surface Mount Resistors, Power Resistor, 2 Termination, 2010,  
Taped & Reeled, 1 %, Thick Metal Film, Resistance Class 1M $\Omega$  –  
1G $\Omega$ , 3.3M  $\Omega$ , 2 W, CGS 3502

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Package Size Code: **2010**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

## Features

### Product Type Features

|                   |                  |
|-------------------|------------------|
| Product Type      | Fixed Resistor   |
| Resistor Type     | Power Resistor   |
| Package Size Code | 2010             |
| Element Type      | Thick Metal Film |

### Configuration Features

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

### Electrical Characteristics

|                             |                           |
|-----------------------------|---------------------------|
| Voltage Rating              | 200 V                     |
| Passive Component Tolerance | 1 %                       |
| Resistance Class            | 1M $\Omega$ – 1G $\Omega$ |
| Resistance Value            | 3.3M $\Omega$             |
| Power Rating                | 2 W                       |

### Termination Features

|                        |   |
|------------------------|---|
| Number of Terminations | 2 |
|------------------------|---|

|   |        |
|---|--------|
| Surface Mount Resistor Termination Type | Solder |
|---|--------|

### Dimensions

|                              |                  |
|------------------------------|------------------|
| Passive Component Dimensions | 5 x 2.5 x 1.1 mm |
|------------------------------|------------------|

### Usage Conditions

|                         |                                   |
|-------------------------|-----------------------------------|
| Temperature Coefficient | $\pm 100$ ppm/ $^{\circ}\text{C}$ |
|-------------------------|-----------------------------------|

### Packaging Features

|                  |                |
|------------------|----------------|
| Packaging Method | Taped & Reeled |
|------------------|----------------|

## Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<br>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 $^{\circ}\text{C}$   |

#### 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



TE Part # 3-2176397-1  
3502 18R 1%

TE Part # 3-2176397-2  
3502 20R 1%

TE Part # 8-2176397-0  
3502 2K0 1%

TE Part # 8-2176397-3  
3502 2K7 1%

TE Part # 4-2176397-1  
3502 47R 1%

### Also in the Series | CGS 3502

Surface Mount Resistors(254)

### Customers Also Bought

TE Part #1623773-9  
C10 15K 5% (LOOSE)

TE Part #4-2176398-7  
3502 1M1 1%

TE Part #5-2176398-0  
3502 1M5 1%

TE Part #6-2176398-6  
3502 6M8 1%

TE Part #6-2176398-9  
3502 9M1 1%

TE Part #1623773-8  
C10 10K 5% (LOOSE)

TE Part #8-2176251-5  
CRGS2010 5% 10M

TE Part #2-1393203-4  
V23148-A0107-A101



## Documents

### Product Drawings

[3502 3M3 1%](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2176398-8\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2176398-8\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2176398-8\\_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