



CGS | CGS 3540

TE Internal #: 4-2176401-6

Power Resistor, Thick Metal Film, 4 W, 1.0M ohm, 1 %, ±100 ppm/° C, Solder, 2 Termination, Height 1.1 mm [.043 in], Length 7.1 mm [.28 in], CGS 3540

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**  
Element Type: **Thick Metal Film**  
Power Rating: **4 W**  
Resistance Value: **1.0M  $\Omega$**   
Resistance Class: **1M $\Omega$  – 1G $\Omega$**

Features

Product Type Features

|               |                  |
|---------------|------------------|
| Resistor Type | Power Resistor   |
| Element Type  | Thick Metal Film |

Configuration Features

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

Electrical Characteristics

|                             |                           |
|-----------------------------|---------------------------|
| Operating Voltage           | 250 V                     |
| Power Rating                | 4 W                       |
| Resistance Value            | 1.0M $\Omega$             |
| Resistance Class            | 1M $\Omega$ – 1G $\Omega$ |
| Passive Component Tolerance | 1 %                       |

Termination Features

|                                         |        |
|-----------------------------------------|--------|
| Surface Mount Resistor Termination Type | Solder |
| Number of Terminations                  | 2      |



Dimensions

|                |                 |
|----------------|-----------------|
| Product Height | 1.1 mm[.043 in] |
| Product Length | 7.1 mm[.28 in]  |
| Product Width  | 4.2 mm[.165 in] |

Usage Conditions

|                         |             |
|-------------------------|-------------|
| Temperature Coefficient | ±100 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2023 (235)<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°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

35401M0FT

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TE Part # 3-2176400-1  
3540 18R 1%

TE Part # 3-2176400-2  
3540 20R 1%

TE Part # 8-2176400-0  
3540 2K0 1%

TE Part # 8-2176400-3  
3540 2K7 1%

TE Part # 4-2176400-1  
3540 47R 1%

Also in the Series | CGS 3540

Surface Mount Resistors(254)

Customers Also Bought

TE Part #DT04-2P  
REC, 2P, GRY, N

TE Part #DT06-2S  
PLG, 2P, GRY, N

TE Part #W2S  
Wedgelocks: DEUTSCH DT

TE Part #0460-202-16141  
DEUTSCH Solid Contacts

TE Part #282104-1  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING

TE Part #281934-2  
SINGLE WIRE SEAL

TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT



Documents

Product Drawings

3540 1M0 1%

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_4-2176401-6\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-2176401-6\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-2176401-6\_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 3540 SERIES

English