



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**  
Number of Terminations: **2**  
Packaging Method: **Taped & Reeled**  
Passive Component Tolerance: **1 %**  
Element Type: **Thick Metal Film**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Voltage Rating              | 250 V     |
| Passive Component Tolerance | 1 %       |
| Resistance Class            | Up to 1kΩ |
| Resistance Value            | 56 Ω      |
| Power Rating                | 4 W       |

Termination Features

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



Usage Conditions

|                         |             |
|-------------------------|-------------|
| Temperature Coefficient | ±100 ppm/°C |
|-------------------------|-------------|

Packaging Features

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

Product Compliance

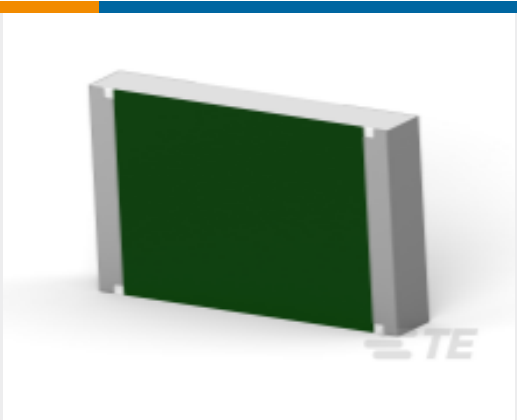
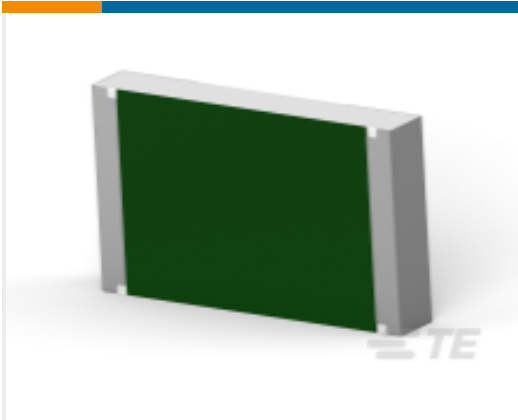
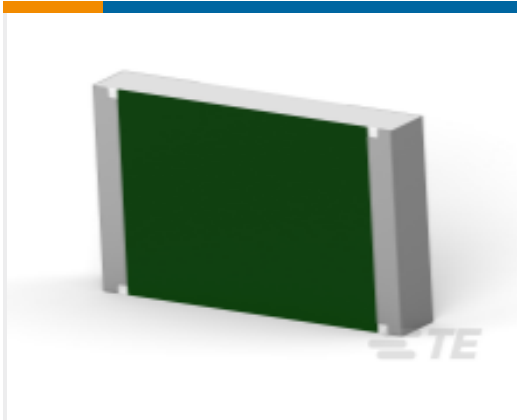
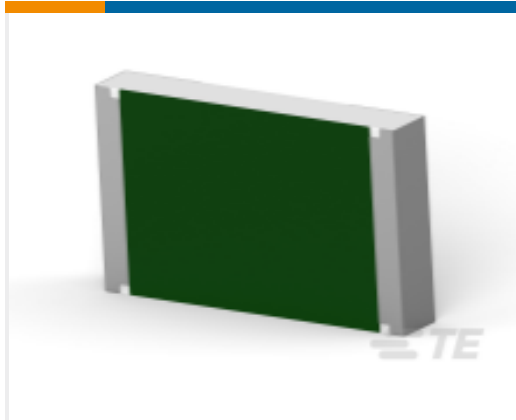
For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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 2023 (235)<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

|                                                                                                                                  |                                                                                                                                   |                                                                                                                                    |                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 3-2176400-1<br/>3540 18R 1%</p> |  <p>TE Part # 3-2176400-2<br/>3540 20R 1%</p> |  <p>TE Part # 8-2176400-0<br/>3540 2K0 1%</p> |  <p>TE Part # 8-2176400-3<br/>3540 2K7 1%</p> |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|



TE Part # 4-2176400-1  
[3540 47R 1%](#)

Also in the Series | [CGS 3540](#)



[Surface Mount Resistors\(254\)](#)

Customers Also Bought



TE Part #206070-8  
[CABLE CLAMP KIT #17](#)



TE Part #DT04-2P  
[REC, 2P, GRY, N](#)



TE Part #DT06-2S  
[PLG, 2P, GRY, N](#)



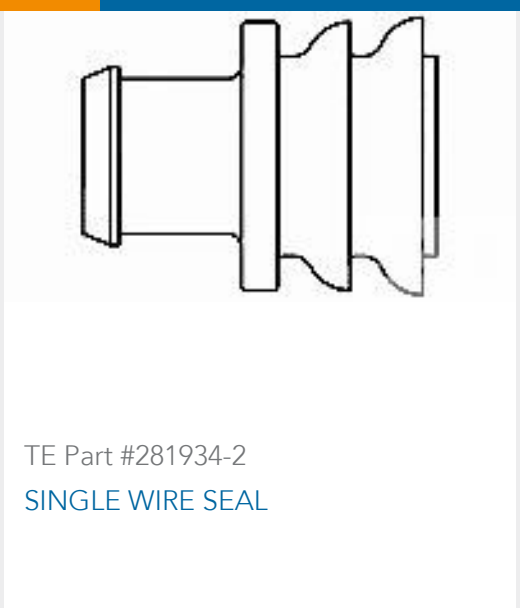
TE Part #W2S  
[Wedgelocks: DEUTSCH DT](#)



TE Part #0462-201-16141  
[DEUTSCH Solid Contacts](#)



TE Part #282104-1  
[AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING](#)



TE Part #281934-2  
[SINGLE WIRE SEAL](#)

Documents

[Product Drawings](#)  
[3540 56R 1%](#)

[English](#)

[CAD Files](#)  
[3D PDF](#)

[3D](#)

354056RFT

56 Ω, Thick Metal Film, Power Resistor, 1 %, 2 Termination, Taped & Reeled, 4 W, ±100 ppm/°C, Solder, CGS 3540



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