

356082KJT ✓ ACTIVE

CGS | CGS 3560

TE Internal #: 3-2176408-1

82K  $\Omega$ , Thick Metal Film, Power Resistor, 5 %, 2 Termination, Taped & Reeled, 6 W,  $\pm 100$  ppm/ $^{\circ}\text{C}$ , Solder, CGS 3560

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **5 %**

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              | 300 V                     |
| Passive Component Tolerance | 5 %                       |
| Resistance Class            | 1k $\Omega$ – 1M $\Omega$ |
| Resistance Value            | 82K $\Omega$              |
| Power Rating                | 6 W                       |

### Termination Features

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



### Usage Conditions

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

### Packaging Features

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

### Product Compliance

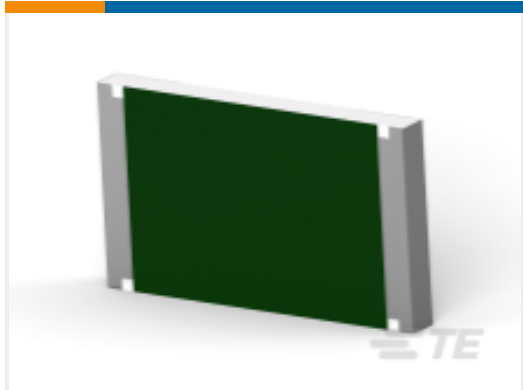



[For compliance documentation, visit the product page on TE.com>](#)

|   |   |
|---|---|
| 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                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| 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

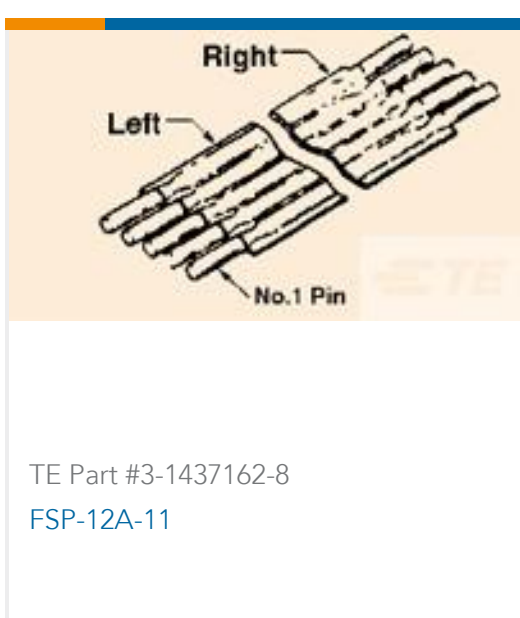
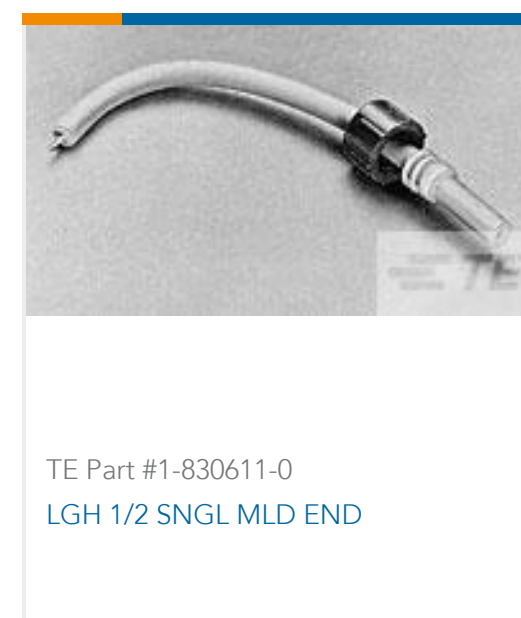
|  |   |  |  |
|--|---|--|--|
|  <p>TE Part # 3-2176406-1<br/>3560 18R 1%</p> |  <p>TE Part # 3-2176406-2<br/>3560 20R 1%</p> |  <p>TE Part # 8-2176406-0<br/>3560 2K0 1%</p> |  <p>TE Part # 8-2176406-3<br/>3560 2K7 1%</p> |
|--|---|--|--|



### Also in the Series | CGS 3560



### Customers Also Bought





## Documents

### Product Drawings

[3560 82K 5%](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-2176408-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-2176408-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-2176408-1\\_A.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[SMD HIGH POWER RESISTORS - TYPE 3660 SERIES](#)

English