

3430A3F680RTDF

✓ ACTIVE

CGS | CGS 3430

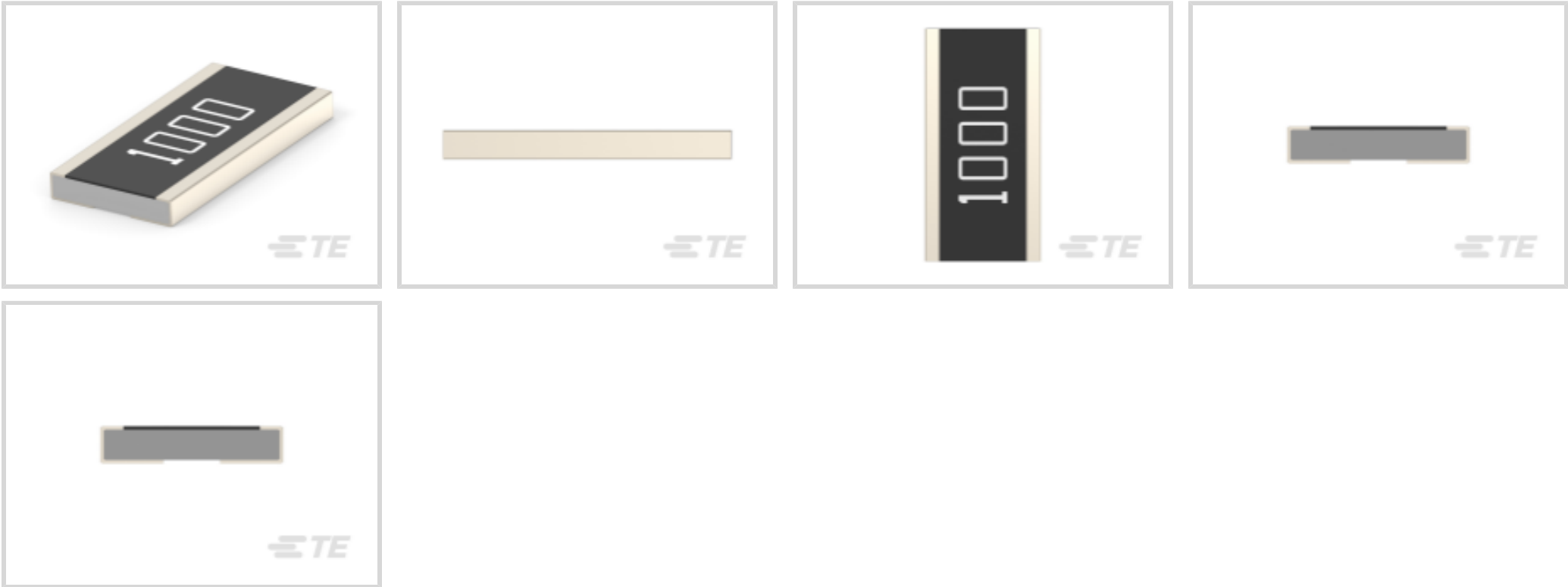
TE Internal #: 7-2176566-0

680 ohm, Thick Film, Power Resistor, 1 %, 1225, 3 W, ±100 ppm/°C,  
Solder, 2 Terminations, .65 mm [.025 in] Height, 3.2 mm [.126 in]  
Length, CGS 3430

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**  
Element Type: **Thick Film**  
Package Size Code: **1225**  
Power Rating: **3 W**  
Resistance Value: **680 Ω**

Features

Product Type Features

|                   |                |
|-------------------|----------------|
| Resistor Type     | Power Resistor |
| Element Type      | Thick Film     |
| Package Size Code | 1225           |

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Operating Voltage           | 200 V     |
| Power Rating                | 3 W       |
| Resistance Value            | 680 Ω     |
| Resistance Class            | Up to 1kΩ |
| Passive Component Tolerance | 1 %       |

Termination Features

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



Dimensions

|                |                 |
|----------------|-----------------|
| Product Height | .65 mm[.025 in] |
| Product Length | 3.2 mm[.126 in] |
| Product Width  | 6.4 mm[.252 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 155 °C[-67 – 311 °F] |
| 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                                                                                                                       |
| EU ELV Directive 2000/53/EC                   | Not Compliant                                                                                                                   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                          |
| Solder Process Capability                     | Reflow solder capable to 260°C                                                                                                  |

Product Compliance Disclaimer

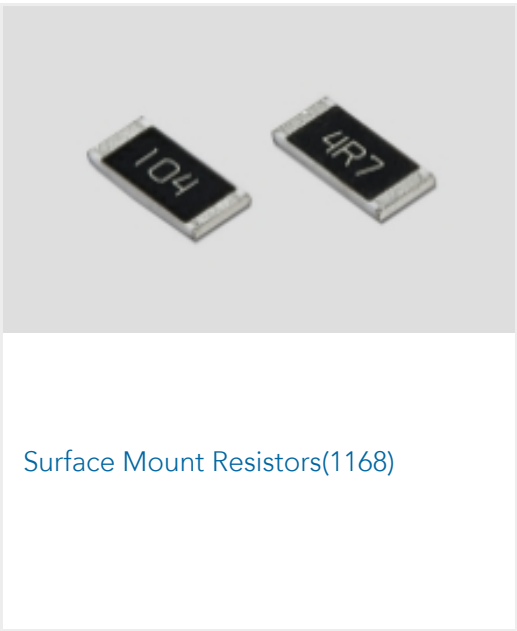
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



TE Part # 7-2176564-0  
[3430 A3 1% 680R 100ppm 4k RL](#)

Also in the Series | [CGS 3430](#)



[Surface Mount Resistors\(1168\)](#)

Documents

Product Drawings

[3430 A3 1% 680R 100ppm 1k RL](#)

English

CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_7-2176566-0\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_7-2176566-0\\_BA.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_7-2176566-0\\_BA.2d\\_dxf.zip](#)

English

3D PDF

3D

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

Datasheets & Catalog Pages

[Datasheet - CGS 3430 Series](#)

English

[Automotive Grade Wide Terminal Chip Resistor - Type 3430 Series](#)

English