



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**  
Number of Terminations: **2**  
Package Size Code: **1020**  
Packaging Method: **Taped & Reeled**  
Passive Component Tolerance: **1 %**

Features

Product Type Features

|                   |                |
|-------------------|----------------|
| Resistor Type     | Power Resistor |
| Package Size Code | 1020           |
| Element Type      | Thick Film     |

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Operating Voltage           | 200 V     |
| Passive Component Tolerance | 1 %       |
| Resistance Class            | Up to 1kΩ |
| Resistance Value            | 120 Ω     |
| Power Rating                | 2 W       |

Termination Features

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



Dimensions

|                |                  |
|----------------|------------------|
| Product Height | .6 mm[.024 in]   |
| Product Length | 2.45 mm[.096 in] |
| Product Width  | 5 mm[.197 in]    |

Usage Conditions

|                             |                                   |
|-----------------------------|-----------------------------------|
| Operating Temperature Range | -55 – 155 $^{\circ}\text{C}$      |
| 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                   | Not Compliant                                                                                                                   |
| 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 $^{\circ}\text{C}$                                                                                 |

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 # 5-2176560-2  
3430 H2 1% 120R 100ppm 4k RL

Also in the Series | CGS 3430



Surface Mount Resistors(1168)

Documents

Product Drawings

3430 H2 1% 120R 100ppm 1k RL

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_5-2176562-2\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-2176562-2\_BA.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-2176562-2\_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

Product Environmental Compliance

3430H2F120RTDF

120  $\Omega$ , Thick Film, Power Resistor, 1 %, 2 Termination, 1020, Taped & Reeled, 2 W,  
 $\pm 100$  ppm/ $^{\circ}\text{C}$ , Solder, Height .024 in [.6 mm], CGS 3430



[Product Compliance Document](#)

English

[Product Compliance Document](#)

English