



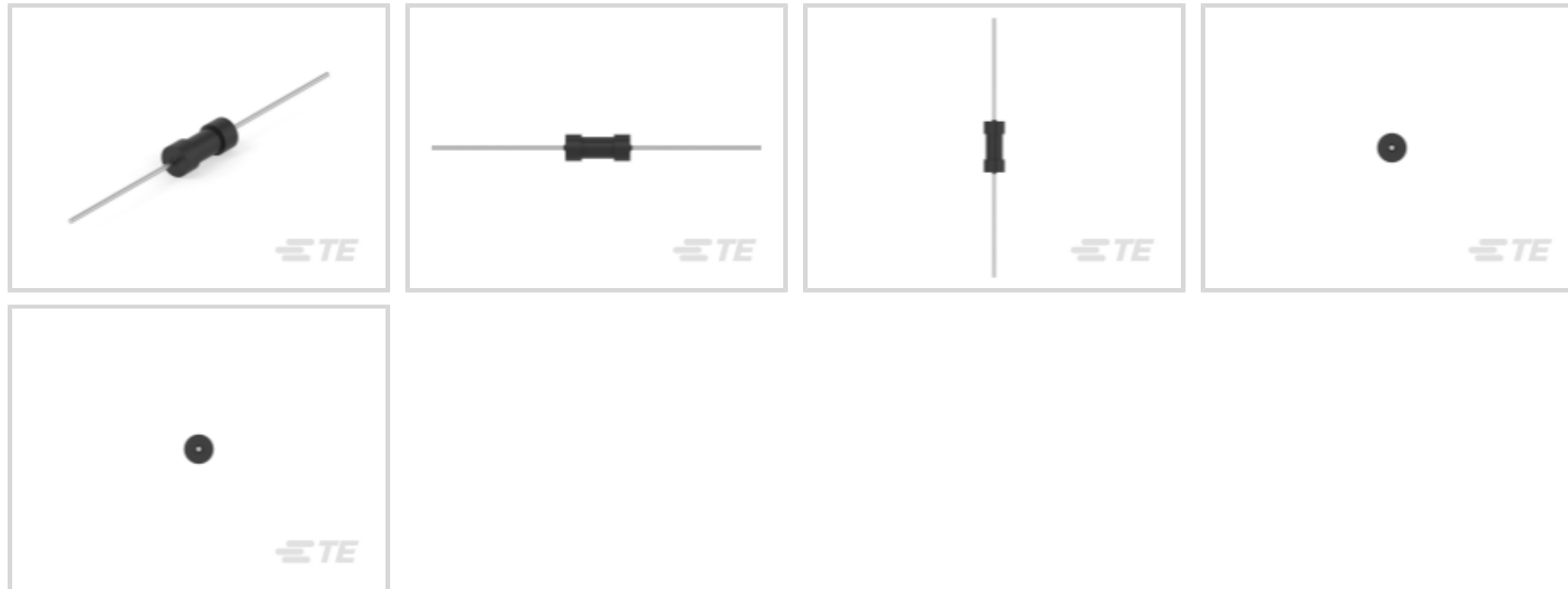
CGS | CGS HPCR

TE Internal #: 1-2176471-5

Through-Hole Resistors, Power Resistor, 19.1 x 7.9 mm, 2 Termination, Reel/Box, 10 %, Ceramic Composition, Resistance Class Up to 1k $\Omega$ , 82  $\Omega$ , CGS HPCR

[View on TE.com >](#)

Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Passive Component Dimensions: **19.1 x 7.9 mm**

Number of Terminations: **2**

Packaging Method: **Reel/Box**

Passive Component Tolerance: **10 %**

## Features

### Product Type Features

Product Type	Fixed Resistor
Resistor Type	Power Resistor
Element Type	Ceramic Composition

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Passive Component Tolerance	10 %
Resistance Class	Up to 1k $\Omega$
Resistance Value	82 $\Omega$
Power Rating	2 W

### Body Features

Passive Component Lead Type	Axial-Leaded
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### Termination Features

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Number of Terminations	2
Passive Component Termination Material Type	Tinned Copper Leads

### Dimensions

Passive Component Dimensions	19.1 x 7.9 mm
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### Usage Conditions

Temperature Coefficient	+0 / -800 ppm/°C
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### Packaging Features

Packaging Method	Reel/Box
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## 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	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: JAN 2022 (223) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

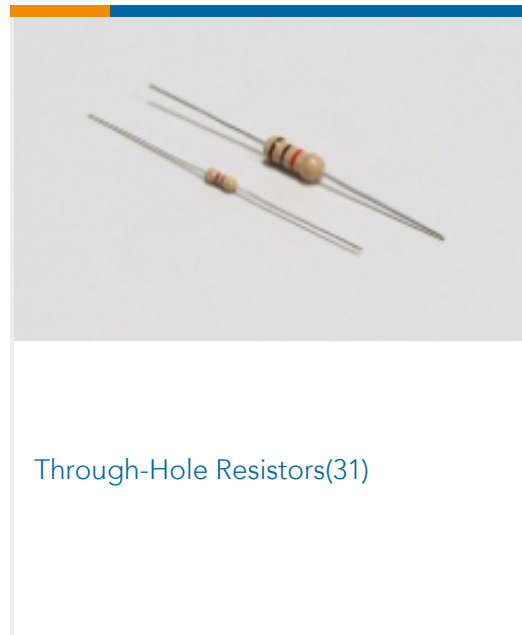
#### Product Compliance Disclaimer

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



## Also in the Series | CGS HPCR



### Documents

#### Product Drawings

[HPCR 0819 A 10% 82R Std T&R](#)

English

#### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176471-5\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176471-5\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176471-5\\_A.3d\\_stp.zip](#)

English

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

#### Datasheets & Catalog Pages

[Bulk Ceramic Resistors - Type HPCR Series - Tyco Electronics Passives](#)

English