



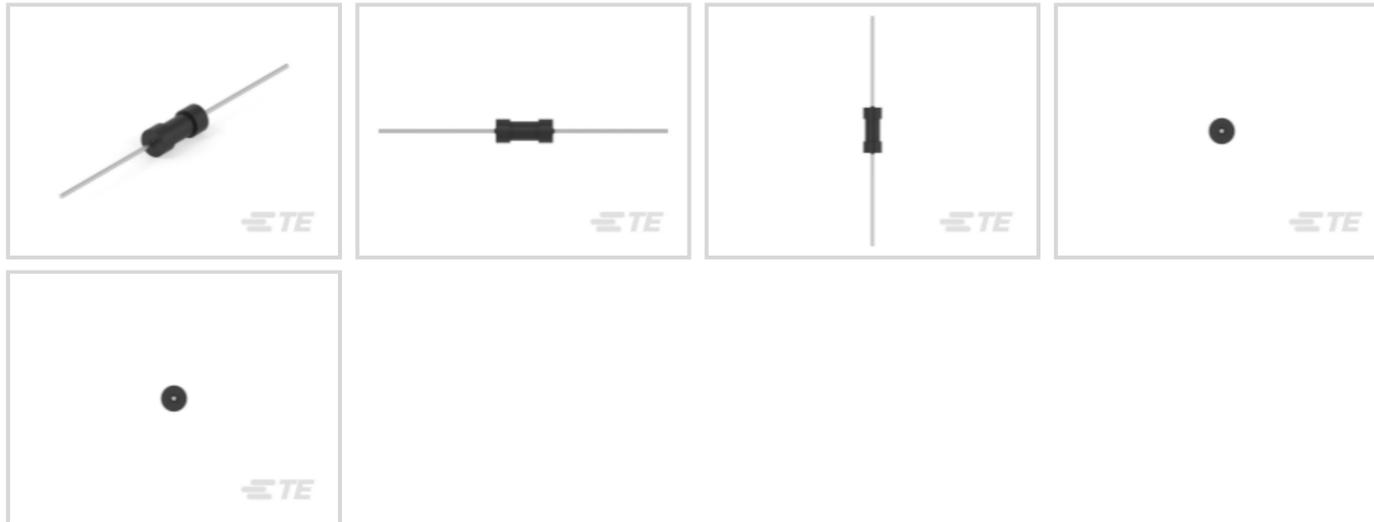
CGS | CGS HPCR

TE Internal #: 2176471-2

Power Resistor, Ceramic Composition, 2 W, 6.8 ohm, 10 %, +0 / -800 ppm/°C, Axial-Leaded, Copper Termination, 19.1 x 7.9 mm, Reel/Box, CGS HPCR

[View on TE.com >](#)

Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Element Type: **Ceramic Composition**

Power Rating: **2 W**

Resistance Class: **Up to 1kΩ**

Resistance Value: **6.8 Ω**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Ceramic Composition

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Power Rating	2 W
Resistance Class	Up to 1kΩ
Resistance Value	6.8 Ω
Passive Component Tolerance	10 %

Body Features

Lead Type	Axial-Leaded
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Termination Features

Termination Area Base Material	Copper
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Number of Terminations 2

Dimensions

Passive Component Dimensions 19.1 x 7.9 mm

Usage Conditions

Temperature Coefficient +0 / -800 ppm/°C

Packaging Features

Packaging Method Reel/Box

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: JUNE 2024 (241)
 Candidate List Declared Against: JUNE 2023 (235)
 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 Wave solder capable to 265°C

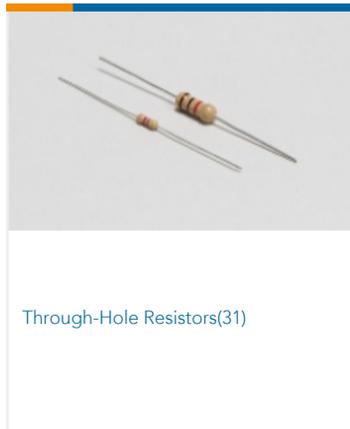
Product Compliance Disclaimer

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



Customers Also Bought



Documents

Product Drawings

[HPCR 0819 A 10% 6R8 Std T&R](#)

English

CAD Files

[3D PDF](#)

[3D](#)



Customer View Model

[ENG_CVM_CVM_2176471-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176471-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2176471-2_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