

HPCR0819AK33RST

ACTIVE

CGS | CGS HPCR

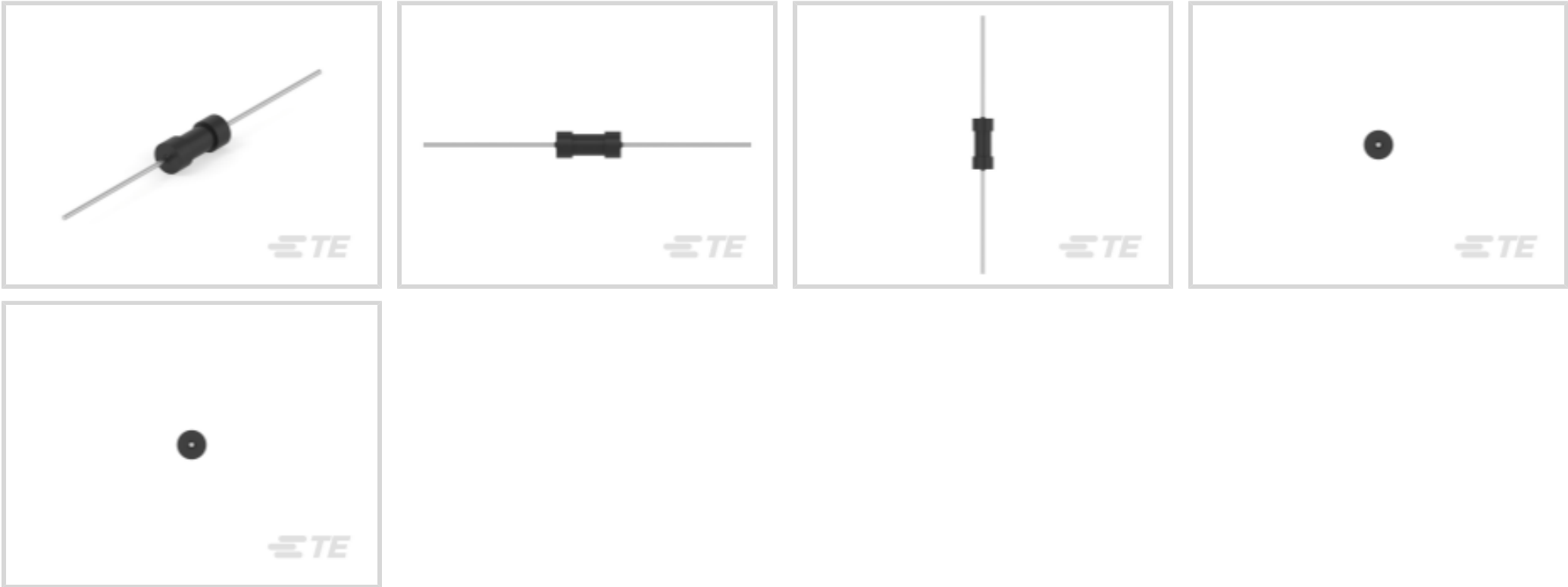
TE Internal #: 1-2176471-0

Through-Hole Power Resistor, Ceramic Composition, 2 W, 33 ohm, 10 %, +0 / -800 ppm/°C, Axial-Leaded, Copper Termination, 19.1 x 7.9 mm, 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: **33 Ω**

Features

Product Type Features

|               |                     |
|---------------|---------------------|
| Resistor Type | Power Resistor      |
| Element Type  | Ceramic Composition |

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Power Rating                | 2 W       |
| Resistance Class            | Up to 1kΩ |
| Resistance Value            | 33 Ω      |
| Passive Component Tolerance | 10 %      |

Body Features

|           |              |
|-----------|--------------|
| Lead Type | Axial-Leaded |
|-----------|--------------|

Termination Features

|                                |        |
|--------------------------------|--------|
| Termination Area Base Material | Copper |
|--------------------------------|--------|



|                        |   |
|------------------------|---|
| 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 |
|------------------|----------|

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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)<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                     | 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

HPCR0819AK33RST

Through-Hole Power Resistor, Ceramic Composition, 2 W, 33 ohm, 10 %, +0 / -800 ppm/°C, Axial-Leaded, Copper Termination, 19.1 x 7.9 mm, CGS HPCR



TE Part # 1-1623720-3  
CCR2 33R 10%

TE Part # 1-2176471-1  
HPCR 0819 A 10% 39R Std T&R

TE Part # 2176471-9  
HPCR 0819 A 10% 27R Std T&R

Also in the Series | CGS HPCR

Through-Hole Resistors(31)

Customers Also Bought

TE Part #CAT-SCH691-SR1B  
Force Guided Relay with 6 contacts

TE Part #1-1393258-5  
V23047-A1024-A501

TE Part #1-1393194-0  
T77S1D10-24

TE Part #2-1393115-7  
KUL-11A15S-24=KU

TE Part #5-1625868-8  
RP 2A 0.25W 21R 0.1% 25PPM 1K RL

TE Part #1879355-7  
RR03 5% 7K5 AMMO

Documents

Product Drawings  
HPCR 0819 A 10% 33R Std T&R  
English

CAD Files  
3D PDF  
3D



Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176471-0\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176471-0\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176471-0\\_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