# HPCR0819AK6R8ST ✔ ACTIVE

CGS | CGS HPCR

TE Internal #: 2176471-2

6.8 ohm, Ceramic Composition, Power Resistor, 10 %, 2 W, +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 |

### 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 |

### Termination Features

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|---|---|
| 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 |

## 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 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



TE Part # 4-1623720-0
CCR2 6R8 10% TAPED



TE Part # 2-1623720-2
CCR2 6R8 10%



TE Part # 2176471-1
HPCR 0819 A 10% 5R6 Std T&R



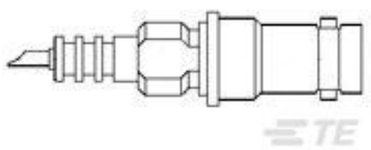
TE Part # 2176471-3
HPCR 0819 A 10% 8R2 Std T&R

## Also in the Series | CGS HPCR

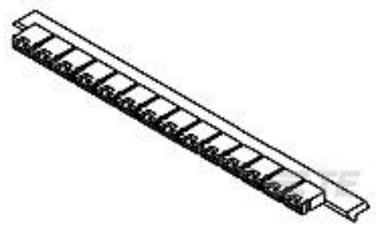


Through-Hole Resistors(31)

## Customers Also Bought



TE Part #51494-2
STD HIGH VOLTAGE BLKHD RECEPT



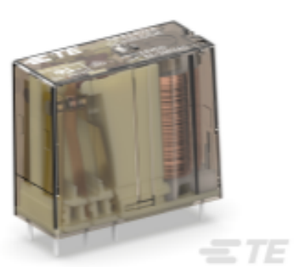
TE Part #142270-1
CONNECTOR SHUNT 2 P



TE Part #211870-2
SEALING CAP ASSY,SZ 13,CPC



TE Part #5-846290-6
LGH-4 SGL MOLDED END LEAD



TE Part #7-1415546-8
RP824024



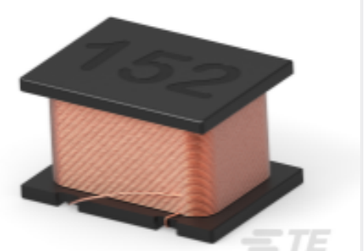
TE Part #4-1437565-2
FSM4JSMATR=TACT SWITCH 6X6MIL



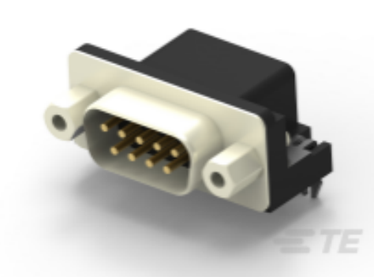
TE Part #2-1623773-6
C10 47K 5% (LOOSE)




TE Part #2176230-8
3522 3R3 5% 3W




TE Part #2176640-7
3627C 453226 10UH 10%



TE Part #2301843-2
AMPL PLUG HD20, R/A, 9P, B/L,4-40 S /LOCK

# 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