

HPCR0819AK120RST

✓ ACTIVE

CGS | CGS HPCR

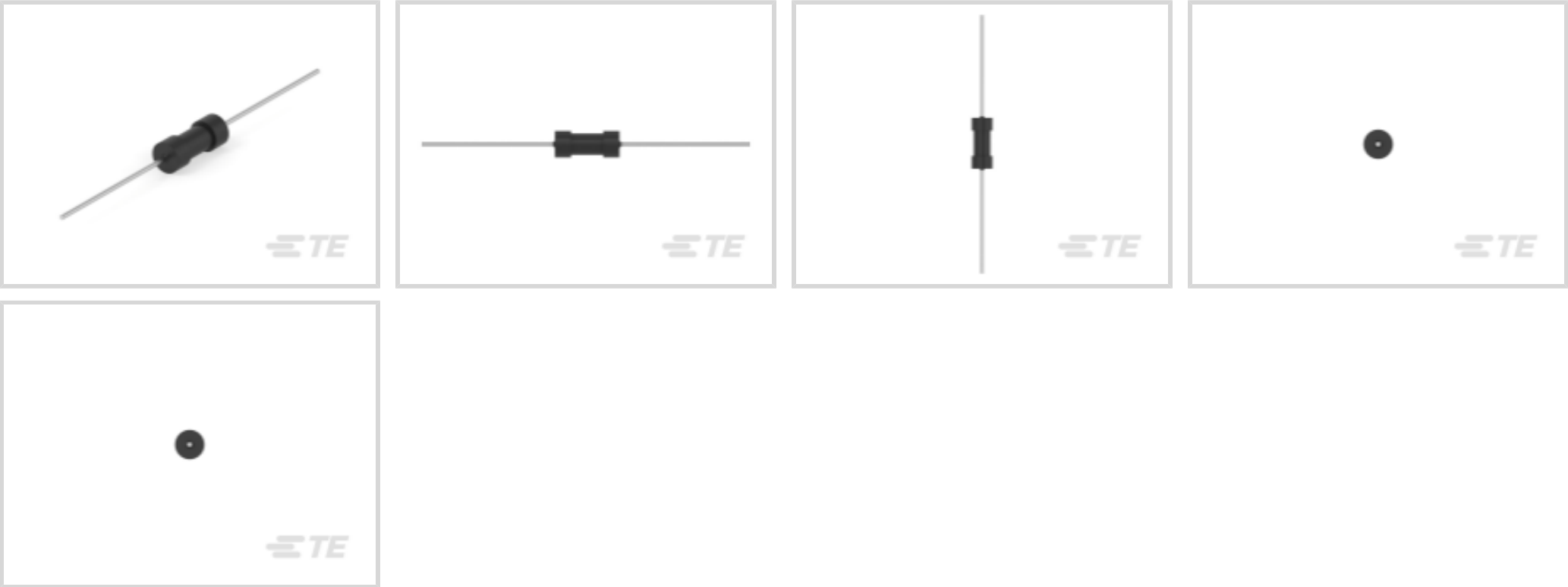
TE Internal #: 1-2176471-7

120 Ω, Ceramic Composition, Power Resistor, 10 %, 19.1 x 7.9 mm,  
2 Termination, Reel/Box, 2 W, +0 / -800 ppm/°C, 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 |
|---------------------|---|

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Passive Component Tolerance | 10 %      |
| Resistance Class            | Up to 1kΩ |
| Resistance Value            | 120 Ω     |
| Power Rating                | 2 W       |

Body Features

|                             |              |
|-----------------------------|--------------|
| Passive Component Lead Type | Axial-Leaded |
|-----------------------------|--------------|

Termination Features

|                        |   |
|------------------------|---|
| Number of Terminations | 2 |
|------------------------|---|



Passive Component Termination Material Type

Tinned Copper Leads

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 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                     | 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

HPCR0819AK120RST

120  $\Omega$ , Ceramic Composition, Power Resistor, 10 %, 19.1 x 7.9 mm, 2 Termination, Reel /Box, 2 W, +0 / -800 ppm/°C, CGS HPCR





TE Part # 1-2176471-6  
HPCR 0819 A 10% 100R Std T&R



TE Part # 1-2176471-8  
HPCR 0819 A 10% 150R Std T&R

Also in the Series | CGS HPCR

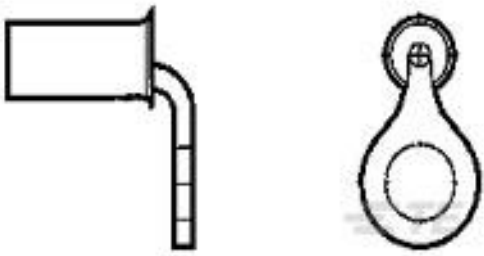


Through-Hole Resistors(31)

Customers Also Bought



TE Part #6609048-1  
3EQ1=F7258 S0



TE Part #321262  
TERM, SOLIS, RT, 22-16, #6, 90 BEND



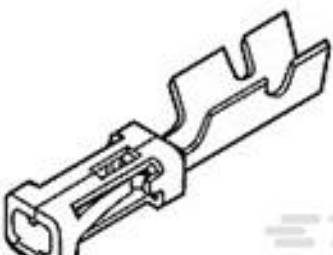
TE Part #1393230-7  
RP3SL005



TE Part #1419108-3  
RT114024F



TE Part #1-1546306-0  
10P.374" DR BARRIER STRIP



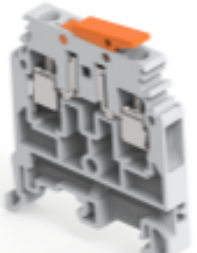
TE Part #86492-9  
MOD IV RECP PLTD SN



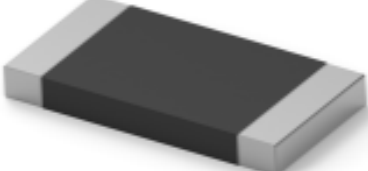
TE Part #1734205-1  
MINI USB, TYPE B, PLUG. CABLE-KIT



TE Part #656537-000  
S02-04-R



TE Part #1SNA115987R0100  
M4/6.SNBT



TE Part #9-2176422-8  
TLRP 2512 3.0W R200 1% 75PPM 4K RL





Documents

Product Drawings

[HPCR 0819 A 10% 120R Std T&R](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176471-7\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176471-7\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176471-7\\_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