HPCR0819AK1K8ST ✔ ACTIVE

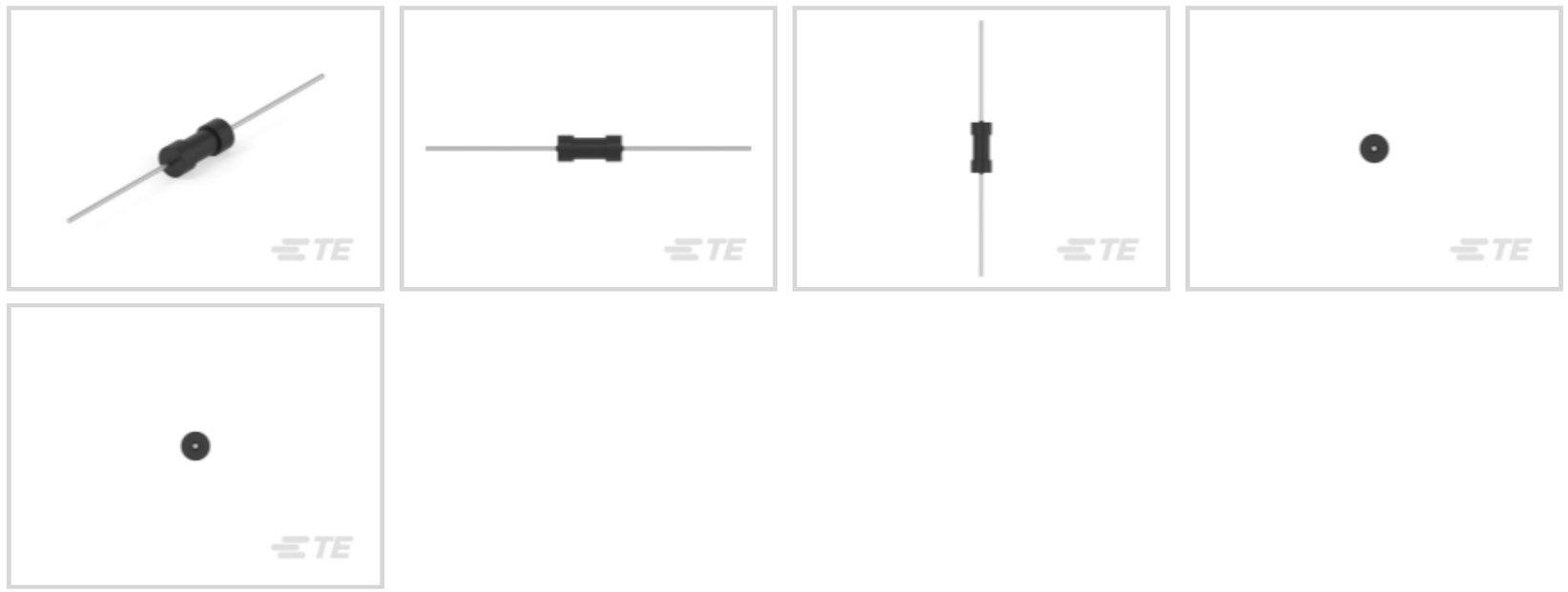
CGS | CGS HPCR

TE Internal #: 3-2176471-1

1.8K 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: **1kΩ – 1MΩ**

Resistance Value: **1.8K 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	1kΩ – 1MΩ
Resistance Value	1.8K 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

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) Candidate List Declared Against: JUNE 2023 (235) 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 # 3-1623720-4
CCR2 1K8 10% BULK



TE Part # 3-2176471-0
HPCR 0819 A 10% 1K5 Std T&R

Also in the Series | CGS HPCR



Through-Hole Resistors(31)

Customers Also Bought



TE Part #9-146281-0
40 MODII HDR SRST B/A .100CL



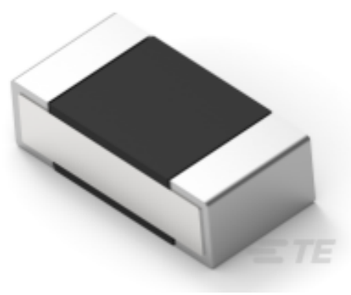
TE Part #9-146304-0
40 MODII HD SRRA B/A .100CL,LF



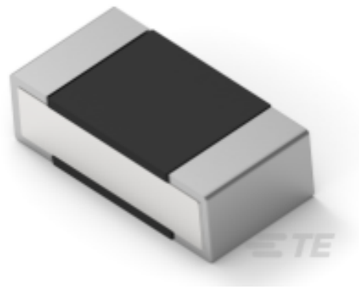
TE Part #6-534237-2
14 MODII VRT SR CE 100/115



TE Part #1-1625873-0
LR0204 LAB-KIT



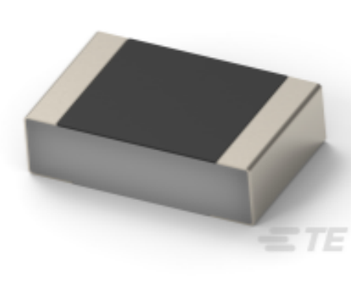
TE Part #9-2176306-1
RP 1E 0.1W 10K 0.1% 25PPM 5K RL



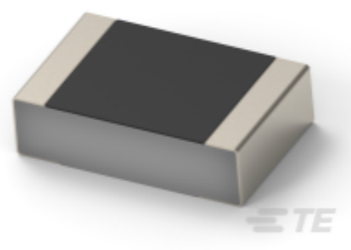
TE Part #9-2176312-5
RP 1E 0.1W 118K 0.1% 25PPM 1K RL



TE Part #2176337-6
CRGCQ 0402 27R 1%



TE Part #5-2176453-1
CPF 0201 19K1 0.1% 25ppm 1K RL



TE Part #5-2176453-4
CPF 0201 20K5 0.1% 25ppm 1K RL



TE Part #5555799-1
MJ,TE,8P/8C,KEYED,TRAY PAC

Documents

Product Drawings

HPCR 0819 A 10% 1K8 Std T&R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-2176471-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-2176471-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-2176471-1_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