# CRGP1206F6K8 ✔ ACTIVE

NEOHM | NEOHM CRGP

TE Internal #: 3-2176328-5

6.8K ohm, Thick Film, General Purpose Resistor, 1 %, 1206, .5 W, ±100 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, NEOHM CRGP

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors




Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **1206**

Power Rating: **.5 W**

Resistance Value: **6.8K Ω**

## Features

### Product Type Features

| | |
|---|---|
| Resistor Type | General Purpose Resistor |
| Element Type | Thick Film |
| Package Size Code | 1206 |

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 200 V |
| Power Rating | .5 W |
| Resistance Value | 6.8K Ω |
| Resistance Class | 1kΩ – 1MΩ |
| Passive Component Tolerance | 1 % |

### Termination Features

| | |
|---|---|
| Surface Mount Resistor Termination Type | Solder |
| Number of Terminations | 2 |

### Dimensions

| | |
|---|---|
| Product Height | .55 mm[.022 in] |
| Product Length | 3.1 mm[.122 in] |

| | |
|---|---|
| Product Width | 1.55 mm[.061 in] |

### Usage Conditions

| | |
|---|---|
| Temperature Coefficient | ±100 ppm/°C |

### Packaging Features

| | |
|---|---|
| Packaging Method | Taped & Reeled |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC | Not Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<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 | Reflow solder capable to 260°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 # 2-2176328-3
CRGP 1206 680R 1%



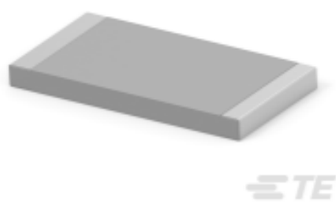
TE Part # 2176326-2
CRGP 0603 12R 1%



TE Part # 5-2176327-4
CRGP 0805 270K 1%

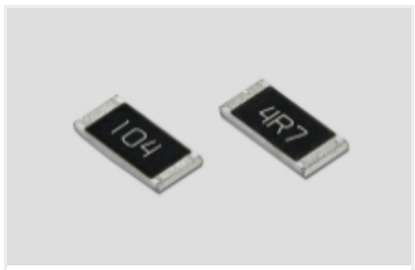


TE Part # 6-2176330-1
CRGP 2010 1M0 1%



TE Part # 4-2176331-9
CRGP 2512 100K 1%

## Also in the Series | NEOHM CRGP



Surface Mount Resistors(420)

## Customers Also Bought



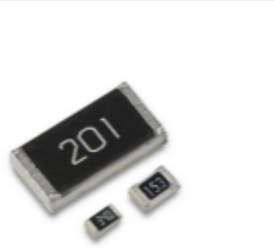
TE Part #1888250-2
Low Profile RJ45,1x1,Bi-color



TE Part #1986720-8
STR PLUG SPRING TYPE RH 8P, 3.81 mm



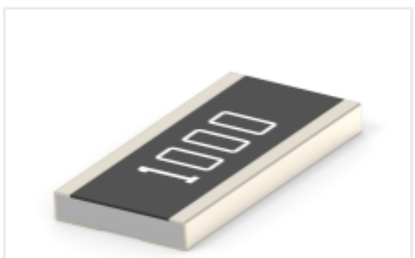
TE Part #2176217-5
CPF A 0805 18R 0.1% 25PPM 1K RL



TE Part #2-2176328-7
CRGP 1206 1K5 1%



TE Part #3-2176328-8
CRGP 1206 12K 1%



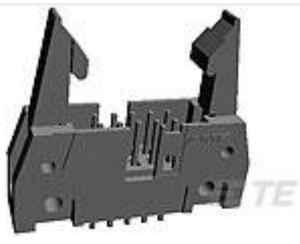
TE Part #9-2176566-4
3430 A3 1% 6K8 100ppm 1k RL



TE Part #1-2324271-1
RIGHT SEGMENT LGA4189-4 SOCKETP4 FOR ODM



TE Part #1-2324271-2
LEFT SEGMENT LGA4189-4 SOCKET-P4 FOR ODM



TE Part #5102321-1
A/L UNIV HDR 10P VERT LAT

TE Part #1878029-2
32560-4A

## Documents

### Product Drawings

CRGP 1206 6K8 1%

English

### CAD Files

Customer View Model

ENG_CVM_CVM_3-2176328-5_BA1.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-2176328-5_BA1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-2176328-5_BA1.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Datasheets & Catalog Pages

CRGP Data Sheet

English