# CRGP0603F27R ✔ ACTIVE

Neohm | Neohm CRGP

TE Internal #: 2176326-6

27 ohm, Surface Mount General Purpose Resistor, Thick Film, 0603, .25 W, 1 %, ±100 ppm/°C, Solder, 2 Terminations, .45 mm [.018 in] Height, Neohm CRGP

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors




Resistance Value: **27 Ω**

Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **0603**

Power Rating: **.25 W**

## Features

### Product Type Features

| | |
|---|---|
| Resistor Type | General Purpose Resistor |
| Element Type | Thick Film |
| Package Size Code | 0603 |

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 50 V |
| Resistance Value | 27 Ω |
| Power Rating | .25 W |
| Resistance Class | Up to 1kΩ |
| Passive Component Tolerance | 1 % |

### Termination Features

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

### Dimensions

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|---|---|
| Product Height | .45 mm[.018 in] |
| Product Length | 1.6 mm[.063 in] |

| | |
|---|---|
| Product Width | .8 mm[.031 in] |

### Usage Conditions

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|---|---|
| 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 | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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 | Reflow solder capable to 260°C |

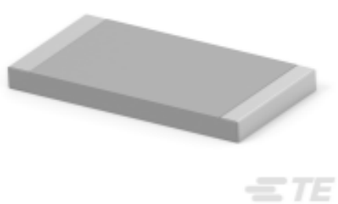
Product Compliance Disclaimer

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



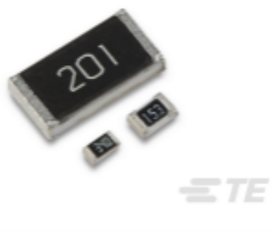
TE Part # 4-2176331-9
CRGP 2512 100K 1%



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

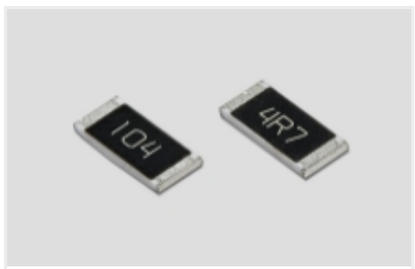


TE Part # 2-2176328-3
CRGP 1206 680R 1%



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

## Also in the Series | Neohm CRGP



Surface Mount Resistors(420)

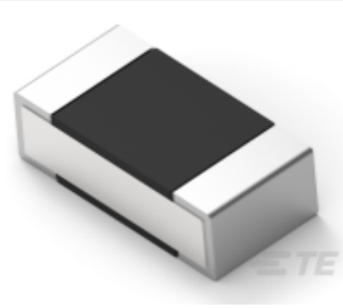
## Customers Also Bought



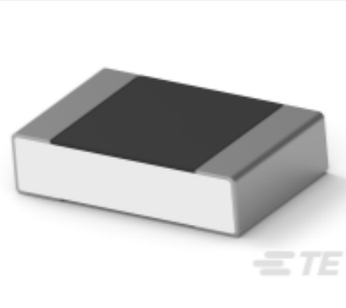
TE Part #520971-2
ULTRA-POD 250 ASY REC 18-14 AWG TPBR



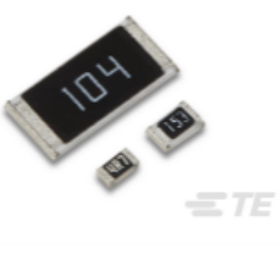
TE Part #9-2176306-8
RP 1E 0.1W 11K8 0.1% 25PPM 5K RL



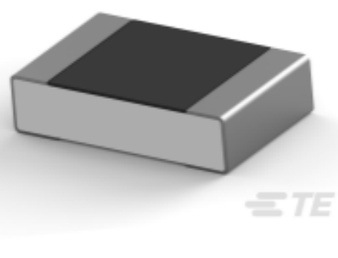
TE Part #4-2176307-0
RP 1E 0.1W 31K6 0.1% 25PPM 5K RL



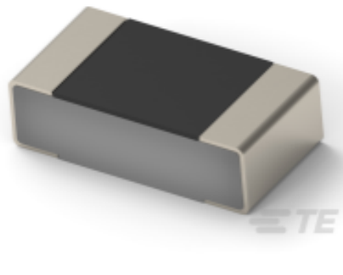
TE Part #3-2176381-2
RQ 0805 26K1 0.1% 10PPM 5K RL



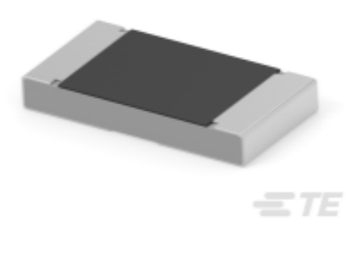
TE Part #6-2176339-1
CRGCQ 0603 1M0 1%



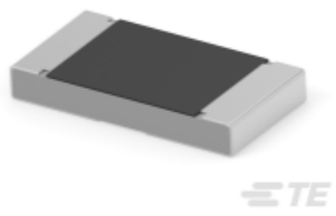
TE Part #4-2176380-3
RQ 0805 3K16 0.1% 10PPM 5K RL



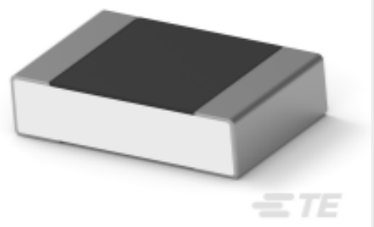
TE Part #1-2176467-1
TLRP 1206 1.0W R005 1% 75PPM 5K RL



TE Part #9-2176526-1
3503G 2B 442R 1% 5K RL



TE Part #2176527-1
3503G 2B 549R 1% 5K RL



TE Part #4-2176381-6
RQ 0805 36K5 0.1% 10PPM 5K RL

## Documents

### Product Drawings

CRGP 0603 27R 1%

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176326-6_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176326-6_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176326-6_BA.3d_stp.zip

English

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### Datasheets & Catalog Pages

CRGP Data Sheet

English