



Neohm | Neohm CRGCQ

TE Internal #: 3-2176339-6

8.2K Ω , Thick Film, General Purpose Resistor, 1 %, 2 Termination, 0603, Taped & Reeled, .1 W, ± 100 ppm/ $^{\circ}\text{C}$, Solder, Neohm CRGCQ

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Number of Terminations: **2**

Package Size Code: **0603**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

| | |
|-----------------------------|---------------------------|
| Operating Voltage | 75 V |
| Passive Component Tolerance | 1 % |
| Resistance Class | 1k Ω – 1M Ω |
| Resistance Value | 8.2K Ω |
| Power Rating | .1 W |

Termination Features

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

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

| | |
|-------------------------|-------------|
| 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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 1-2176341-7
CRGCQ 0805 220R 1%

TE Part # 1-2176345-2
CRGCQ 1210 82R 1%

TE Part # 1-2176347-7
CRGCQ 2010 220R 1%

TE Part # 2176349-4
CRGCQ 2512 18R 1%

TE Part # 1-2176350-2
CRGCQ 2512 68R 5%

Also in the Series | Neohm CRGCQ

Surface Mount Resistors(728)

Customers Also Bought

TE Part #4-2176339-9
CRGCQ 0603 100K 1%

TE Part #3-2176339-7
CRGCQ 0603 10K 1%

TE Part #3-2176339-8
CRGCQ 0603 12K 1%

TE Part #4-2176339-2
CRGCQ 0603 27K 1%

TE Part #2-2176339-9
CRGCQ 0603 2K2 1%

TE Part #3-2176339-1
CRGCQ 0603 3K3 1%

TE Part #4-2176339-5
CRGCQ 0603 47K 1%

TE Part #1-2176340-9
CRGCQ 0603 1K0 5%



Documents

Product Drawings

[CRGCO 0603 8K2 1%](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_3-2176339-6_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-2176339-6_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-2176339-6_BA.3d_stp.zip](#)

English

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