



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **0603**

Power Rating: **.1 W**

Resistance Value: **22K Ω**

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           | 75 V      |
| Power Rating                | .1 W      |
| Resistance Value            | 22K Ω     |
| Resistance Class            | 1kΩ – 1MΩ |
| Passive Component Tolerance | 1 %       |

Termination Features

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

Dimensions

|                |                 |
|----------------|-----------------|
| 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                   | 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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

CRGCQ0603F22K

General Purpose Resistor, Thick Film, 0603, .1 W, 22K ohm, 1 %, ±100 ppm/°C, Solder, 2 Termination, Height .45 mm [.018 in], Neohm CRGCQ



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(693)

Customers Also Bought

TE Part #3-1734577-1  
MOD-JK,8P8C,SHD W/O LED, 6u" A

TE Part #1-2176339-7  
CRGCQ 0603 220R 1%

TE Part #ASA014N00410100000  
623 PLUG, SPEEDTEC

TE Part #BFC110N00000207000  
923 RECEPTACLE, ANGLED

TE Part #EEA001N00000008000  
615 ITEC RECEPTACLE

TE Part #ESA002F02320001000  
615 PLUG

TE Part #AKA876N0085057A000  
617 EXTENSION, SPEEDTEC

TE Part #EKA001M02320103000  
615 EXTENSION





Documents

Product Drawings

CRGCQ 0603 22K 1%

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_4-2176339-1\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-2176339-1\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-2176339-1\_BA.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

CRGCQ Data Sheet

English