# CRGCQ2512J6R8 ✔ ACTIVE

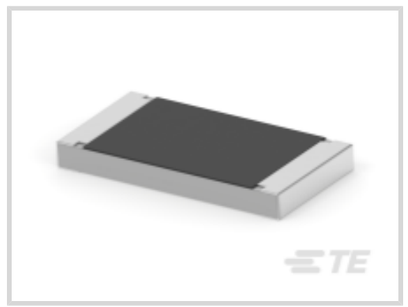
Neohm | Neohm CRGCQ

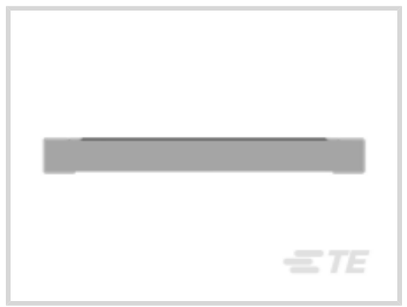
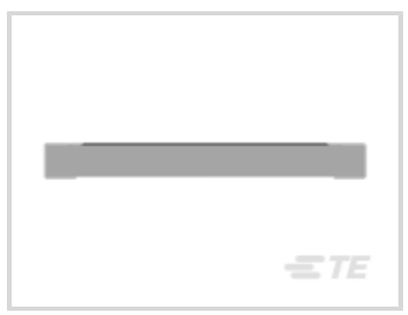
TE Internal #: 2176350-6

6.8 ohm, Surface Mount General Purpose Resistor, Thick Film, 2512, 1 W, 5 %, ±400 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, Neohm CRGCQ

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistance Value: **6.8 Ω**

Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **2512**

Power Rating: **1 W**

## Features

### Product Type Features

| | |
|---|---|
| Resistor Type | General Purpose Resistor |
| Element Type | Thick Film |
| Package Size Code | 2512 |

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 200 V |
| Resistance Value | 6.8 Ω |
| Power Rating | 1 W |
| Resistance Class | Up to 1kΩ |
| Passive Component Tolerance | 5 % |

### Termination Features

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

## Dimensions

| | |
|---|---|
| Product Height | .55 mm[.022 in] |
| Product Length | 6.35 mm[.25 in] |
| Product Width | 3.2 mm[.126 in] |

## Usage Conditions

| | |
|---|---|
| Temperature Coefficient | ±400 ppm/°C |

## Packaging Features

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

## Product Compliance

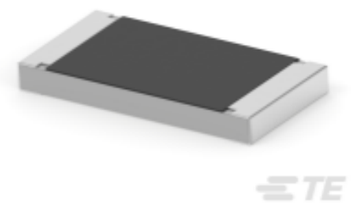
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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: JUNE 2023 (235)<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 # 1-2176350-2
CRGCQ 2512 68R 5%



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



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

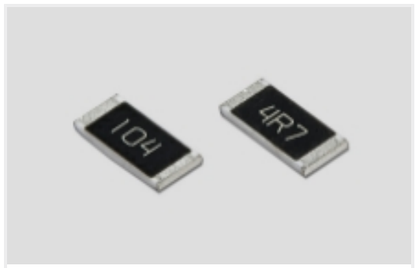


TE Part # 1-2176347-7
CRGCQ 2010 220R 1%



TE Part # 1-2176341-7
CRGCQ 0805 220R 1%

## Also in the Series | Neohm CRGCQ



Surface Mount Resistors(693)

## Customers Also Bought



TE Part #4-1625890-4
2W SM M/OX 5% 390R



TE Part #2-2176328-5
CRGP 1206 1K0 1%



TE Part #3-794620-2
02P MICRO MNL ASSY,R/A,HDR,LF



TE Part #9-1879497-7
CRGH1206 5% 10K 0.5W



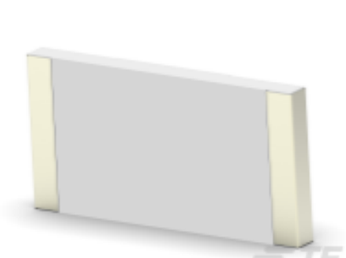
TE Part #6-1625892-6
3W SM M/OX 5% 68K



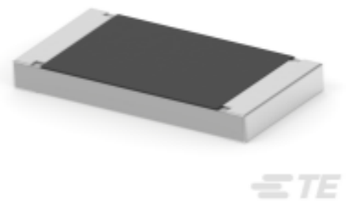
TE Part #1571262-2
SWITCH,TACTILE,SMT,T&R



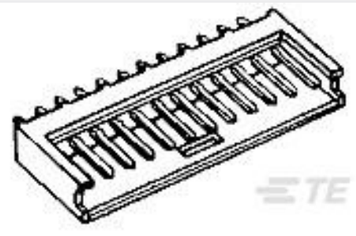
TE Part #7-2176412-6
5W XSM M/OX 5% 6K8



TE Part #2176246-7
CRGS2512 5% 3R3



TE Part #2176350-5
CRGCQ 2512 4R7 5%



TE Part #280372-2
6P AMPMODU II SHRD HDR, ST, 0.38 AU

## Documents

### Product Drawings

CRGCQ 2512 6R8 5%

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176350-6_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176350-6_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176350-6_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