

CRGCQ2512J10R

✓ ACTIVE

Neohm | Neohm CRGCQ

TE Internal #: 2176350-7

10 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

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Passive Components > Resistors > Surface Mount Resistors



Resistance Value: 10 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            | 10 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                                                                                                                     |
| 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

CRGCQ2512J10R

10 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



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

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

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%

Also in the Series | [Neohm CRGCQ](#)

[Surface Mount Resistors\(693\)](#)

Customers Also Bought

TE Part #323795  
SPLICE,SOLIS BUTT HR 16-14

TE Part #2176350-9  
CRGCQ 2512 22R 5%

TE Part #640389-9  
09P MTA156 HDR ASSY SQ R/A F/L

TE Part #1622397-1  
LR1 1% 24K

TE Part #323796  
SOLIS BUTT HR 22-16COM22-18MIL

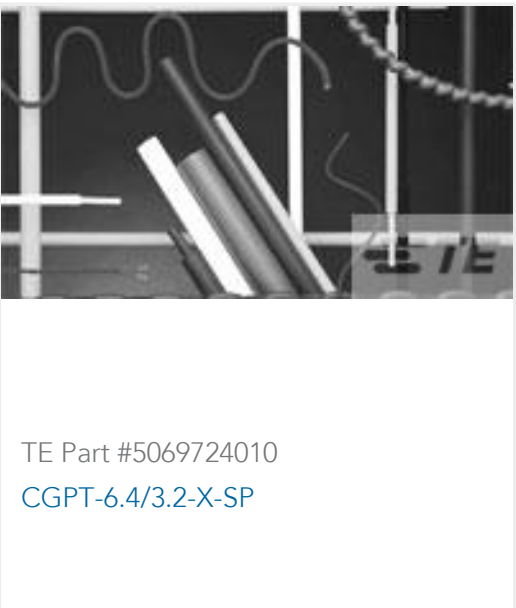
TE Part #160859-2  
FF 250 TAB 0.5-1.0MM2 TPBR

TE Part #1-2176350-9  
CRGCQ 2512 1K0 5%

TE Part #2-2176350-1  
CRGCQ 2512 2K2 5%

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Documents

Product Drawings

CRGCQ 2512 10R 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2176350-7\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2176350-7\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2176350-7\_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