



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **2512**

Power Rating: **1 W**

Resistance Value: **100K  $\Omega$**

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                     |
| Power Rating                | 1 W                       |
| Resistance Value            | 100K $\Omega$             |
| Resistance Class            | 1k $\Omega$ - 1M $\Omega$ |
| 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 | $\pm 100$ ppm/ $^{\circ}\text{C}$ |
|-------------------------|-----------------------------------|

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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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 $^{\circ}\text{C}$                                                                               |

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

CRGCQ2512J100K

General Purpose Resistor, Thick Film, 2512, 1 W, 100K  $\Omega$ , 5 %,  $\pm 100$  ppm/ $^{\circ}$ C, Solder, 2 Termination, Height .022 in [.55 mm], 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(728)

Customers Also Bought

TE Part # 1-1415899-7  
RZ03-1A4-D024

TE Part # 2-1879463-2  
RL73H 2E R75 1% 5K RL

TE Part # 4-794637-2  
12P MICRO MNL ASSY,VRT,SMT LF

TE Part # 2-1445087-4  
MICRO MNL HDR ASSY S/ROW AU LF

TE Part # 2213611-3  
MINI HERM ASSY WITH POSTS -  
SELECT GOLD

TE Part # 2176217-7  
CPF A 0805 22R 0.1% 25PPM 1K RL

TE Part # 1676428-2  
RN 0805 75R 0.1% 10PPM 1KRL

TE Part # 2-2176326-3  
CRGP 0603 680R 1%



Documents

Product Drawings

CRGCQ 2512 100K 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-2176350-1\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-2176350-1\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-2176350-1\_BA.3d\_stp.zip

English

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