



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**
Number of Terminations: **2**
Package Size Code: **0805**
Packaging Method: **Taped & Reeled**
Passive Component Tolerance: **1 %**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	General Purpose Resistor
Package Size Code	0805
Element Type	Thick Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	150 V
Passive Component Tolerance	1 %
Resistance Class	Up to 1kΩ
Resistance Value	820 Ω
Power Rating	.125 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Dimensions

Passive Component Dimensions	2 x 1.25 x .55 mm
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Usage Conditions

Temperature Coefficient	± 100 ppm/ $^{\circ}\text{C}$
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Packaging Features

Packaging Method	Taped & Reeled
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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 $^{\circ}\text{C}$

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

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

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



[Surface Mount Resistors\(728\)](#)

Customers Also Bought



TE Part #1623131-1
CRG0805 1% 1K0



TE Part #1623460-1
CRG1206 1% 220R



TE Part #3-1419108-8
RTD34024



TE Part #3-2176090-6
RP 1J 0.166W 301K 0.1% 25PPM 1K RL



TE Part #9-1879377-8
CRGH0805 5% 10K 0.33W



TE Part #2-2176327-3
CRGP 0805 680R 1%

Documents

[Product Drawings](#)
[CRGCQ 0805 820R 1%](#)

English

[CAD Files](#)
[3D PDF](#)

3D



Customer View Model

[ENG_CVM_CVM_2-2176341-4_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2176341-4_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2176341-4_BA.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[CRGCQ Data Sheet](#)

English