



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**
Number of Terminations: **2**
Package Size Code: **0603**
Packaging Method: **Taped & Reeled**
Passive Component Tolerance: **1 %**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	General Purpose Resistor
Package Size Code	0603
Element Type	Thick Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	50 V
Passive Component Tolerance	1 %
Resistance Class	Up to 1k Ω
Resistance Value	51 Ω
Power Rating	.1 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Dimensions

Passive Component Dimensions	1.6 x .8 x .45 mm
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Usage Conditions



Temperature Coefficient	±200 ppm/°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: JUL 2021 (219) SVHC > Threshold: Pb (2.71% in Component part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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

CRG0603F51R

51 Ω , Thick Film, General Purpose Resistor, 1 %, 2 Termination, 0603, Taped & Reeled, .1 W, ± 200 ppm/ $^{\circ}\text{C}$, Solder, 1.6 x .8 x .45 mm, Neohm CRG



TE Part # 1623097-1
[CRG0805 1% 10K](#)



TE Part # 1623404-1
[CRG1206 1% 10K](#)



TE Part # 1622829-1
[CRG0603 1% 10K](#)



TE Part # 1676480-1
[CRG0402 1% 100K](#)



TE Part # 1-1622826-8
[CRG0402 5% 1K0](#)

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



[Surface Mount Resistors\(653\)](#)

Customers Also Bought



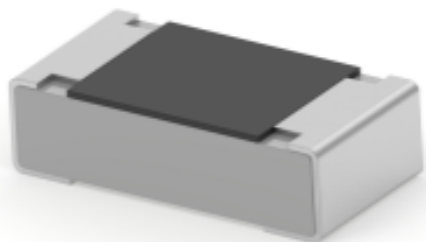
TE Part #2176230-9
[3522 3R9 5% 3W](#)



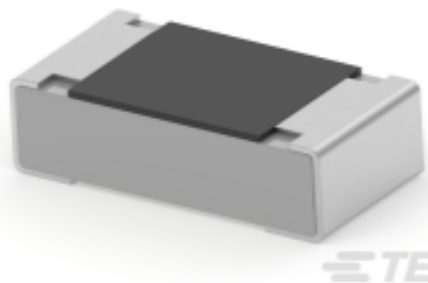
TE Part #1623278-1
[CRG0805 1% 6K8](#)



TE Part #4-2176339-5
[CRGCQ 0603 47K 1%](#)



TE Part #2-2176340-5
[CRGCQ 0603 10K 5%](#)



TE Part #1-2176340-7
[CRGCQ 0603 470R 5%](#)



TE Part #1-2176326-3
[CRGP 0603 100R 1%](#)



TE Part #2176326-5
[CRGP 0603 22R 1%](#)



TE Part #4-2176331-8
[CRGP 2512 82K 1%](#)



Documents

Product Drawings

CRG0603 1% 51R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1622966-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1622966-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1622966-1_BA.3d_stp.zip

English

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

Datasheets & Catalog Pages

1309350_PASSIVE_COMPONENT

English

Thick Film Chip Resistors - Type CRG series

English