



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	51 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	± 200 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: JAN 2021 (211) 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 # 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

CRG0805F51R

51 Ω , Thick Film, General Purpose Resistor, 1 %, 2 Termination, 0805, Taped & Reeled, .125 W, ± 200 ppm/ $^{\circ}$ C, Solder, 2 x 1.25 x .55 mm, Neohm CRG



TE Part # 1-1622826-8
CRG0402 5% 1K0

Also in the Series | Neohm CRG

Surface Mount Resistors(653)

Customers Also Bought

TE Part #2176050-8
RLP73N 1E R10 5% 5K RL

TE Part #1217234-1
MAG-MATE TERM 28-31 013TPBR

TE Part #62000-1
SPLICE AMVAR 600-3000 020BR

TE Part #1623214-1
CRG0805 1% 3K3

TE Part #3-2176326-4
CRGP 0603 5K6 1%

TE Part #2822356-1
070 TYPE NEW RUBBER PLUG S

TE Part #HD10-5BT
BOOT, 5P, PLG/REC, ST, GRY

TE Part #809580-1
BLADE, LOWER SHEAR

Documents

Product Drawings
CRG0805 1% 51R

English

CAD Files
3D PDF

3D



Customer View Model

[ENG_CVM_CVM_1623246-1_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1623246-1_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1623246-1_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