



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

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

Operating Voltage	150 V
Passive Component Tolerance	1 %
Resistance Class	Up to 1kΩ
Resistance Value	82 Ω
Power Rating	.125 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Dimensions

Product Height	.55 mm[.022 in]
Product Length	2 mm[.079 in]
Product Width	1.25 mm[.049 in]



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	Not 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: 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 # 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
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CRG0805F82R

82 Ω , Thick Film, General Purpose Resistor, 1 %, 2 Termination, 0805, Taped & Reeled, .125 W, ± 200 ppm/ $^{\circ}\text{C}$, Solder, Height .022 in [.55 mm], Neohm CRG



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

TE Part # 1623283-2
CRG0805 1% 80R6

Also in the Series | Neohm CRG

Surface Mount Resistors(653)

Customers Also Bought

TE Part #T4161110008-005
RPC-M12-MS-8CON-PVC-5.0SH

TE Part #3-641436-4
04P MTA156 CONN ASSY LF

TE Part #3-641436-6
06P MTA156 PST CONN ASSY LF

TE Part #5-1623927-6
CFR16 5% 270R

TE Part #1776242-2
2 POS TERMI-BLOK PLUG STACK 3,

TE Part #1-2176341-5
CRGCQ 0805 150R 1%

TE Part #5-2176414-6
7W STD M/OX 5% 3K9

TE Part #4-1437284-3
CVTY PLUG,SUPERSEAL,CVTY DIA,2.4

TE Part #2-2176479-8
RA73F 1J 97R6 0.1% 5K RL



Documents

Product Drawings

CRG0805 1% 82R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1623291-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1623291-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1623291-1_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