



Passive Components > Resistors > Surface Mount Resistors



Resistance Value: 82 Ω
Resistor Type: General Purpose Resistor
Element Type: Thick Film
Package Size Code: 2512
Power Rating: 1 W

Features

Product Type Features

Resistor Type	General Purpose Resistor
Element Type	Thick Film
Package Size Code	2512

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	200 V
Resistance Value	82 Ω
Power Rating	1 W
Resistance Class	Up to 1kΩ
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	±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: JAN 2025 (247) 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°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 # 1676480-1
CRG0402 1% 100K



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



TE Part # 1623097-1
CRG0805 1% 10K



TE Part # 1623404-1
CRG1206 1% 10K



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



Customers Also Bought



Documents

[Product Drawings](#)

[CRG2512 5% 82R](#)

English

[CAD Files](#)

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_3-1623696-4_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1623696-4_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1623696-4_BA.3d_stp.zip](#)

CRG2512J82R

82 ohm, Surface Mount General Purpose Resistor, Thick Film, 2512, 1 W, 5 %, ±200 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, Neohm CRG



English

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Datasheets & Catalog Pages
1309350_PASSIVE_COMPONENT

English

Thick Film Chip Resistors - Type CRG series

English