

# CRGP2512F82R ✓ ACTIVE

Neohm | Neohm CRGP

TE Internal #: 1-2176331-2

82  $\Omega$ , Thick Film, General Purpose Resistor, 1 %, 2 Termination, 2512, Taped & Reeled, 2 W,  $\pm 100$  ppm/ $^{\circ}\text{C}$ , Solder, Height .022 in [55 mm], Neohm CRGP

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Number of Terminations: **2**

Package Size Code: **2512**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

## Features

### Product Type Features

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

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Operating Voltage	500 V
Passive Component Tolerance	1 %
Resistance Class	Up to 1k $\Omega$
Resistance Value	82 $\Omega$
Power Rating	2 W

### Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder



**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	±100 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: 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 # 2176326-2  
CRGP 0603 12R 1%

TE Part # 5-2176327-4  
CRGP 0805 270K 1%

TE Part # 2-2176328-3  
CRGP 1206 680R 1%

TE Part # 6-2176330-1  
CRGP 2010 1M0 1%

TE Part # 4-2176331-9  
CRGP 2512 100K 1%

### Also in the Series | Neohm CRGP

Surface Mount Resistors(432)

### Customers Also Bought

TE Part #2-2176070-9  
SMD Power Resistor: 2 Watt, 3521 Series

TE Part #2-1879501-5  
CRGH2512 5% 10R 2W

TE Part #1-2176331-5  
CRGP 2512 150R 1%

TE Part #1-2176331-7  
CRGP 2512 220R 1%

TE Part #1-2176331-9  
CRGP 2512 330R 1%

TE Part #2176331-7  
CRGP 2512 33R 1%



## Documents

### Product Drawings

[CRGP 2512 82R 1%](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176331-2\\_BA.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176331-2\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2176331-2\\_BA.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[CRGP Data Sheet](#)

English