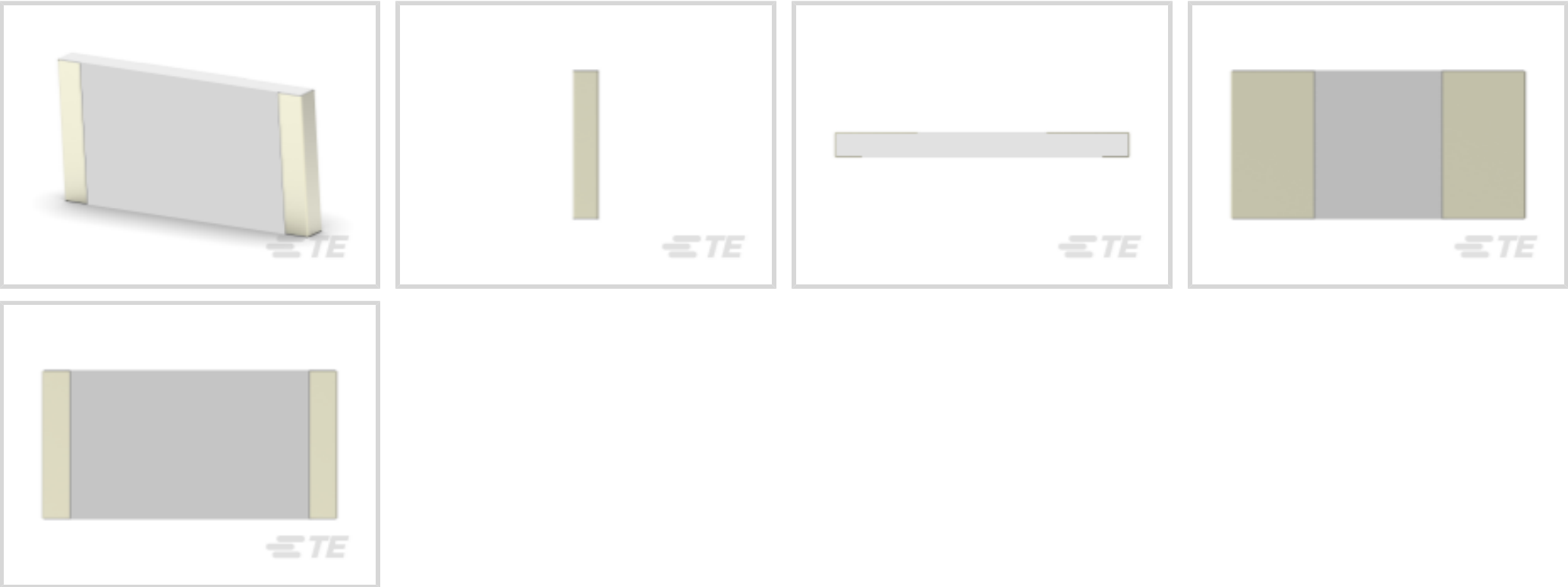




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**  
Number of Terminations: **2**  
Package Size Code: **2512**  
Packaging Method: **Taped & Reeled**  
Passive Component Tolerance: **5 %**

Features

Product Type Features

Product Type	Fixed Resistor
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

Voltage Rating	250 V
Passive Component Tolerance	5 %
Resistance Class	Up to 1k $\Omega$
Resistance Value	2.2 $\Omega$
Power Rating	1.5 W

Termination Features

Number of Terminations	2
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Surface Mount Resistor Termination Type	Solder
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Dimensions

Passive Component Dimensions	6.35 x 3.2 x .55 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: 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

CRGS2512J2R2

2.2  $\Omega$ , Thick Film, General Purpose Resistor, 5 %, 2 Termination, 2512, Taped & Reeled, 1.5 W,  $\pm 200$  ppm/ $^{\circ}\text{C}$ , Solder, 6.35 x 3.2 x .55 mm, Neohm CRGS



TE Part # 2176246-4  
CRGS2512 5% 1R8

TE Part # 2176246-6  
CRGS2512 5% 2R7

Also in the Series | Neohm CRGS

Surface Mount Resistors(428)

Customers Also Bought

TE Part #5177986-8  
0.8FH,P05H.5,160,08/Sn,TR,SC

TE Part #1415898-4  
RTS3TF03

TE Part #2-1393240-3  
RT33K012

TE Part #2176329-6  
CRGP 1210 27R 1%

TE Part #5177985-8  
0.8FH,R05H.5,160,08/Sn,TR,SC

TE Part #2-1474654-9  
FSN-21A-15

TE Part #2267440-5  
SCL 1.0 RCPT DR VT 010 SMT G3 TBK

TE Part #026291-000  
RMK-UNCUT-A4

Documents

Product Drawings  
CRGS2512 5% 2R2

English

CAD Files  
3D PDF

3D



Customer View Model

[ENG\\_CVM\\_CVM\\_2176246-5\\_BA.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2176246-5\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2176246-5\\_BA.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

[SMD Anti-Surge Thick Film Chip Resistor - Type CRGS Series - Tyco Electronics Passives](#)

English