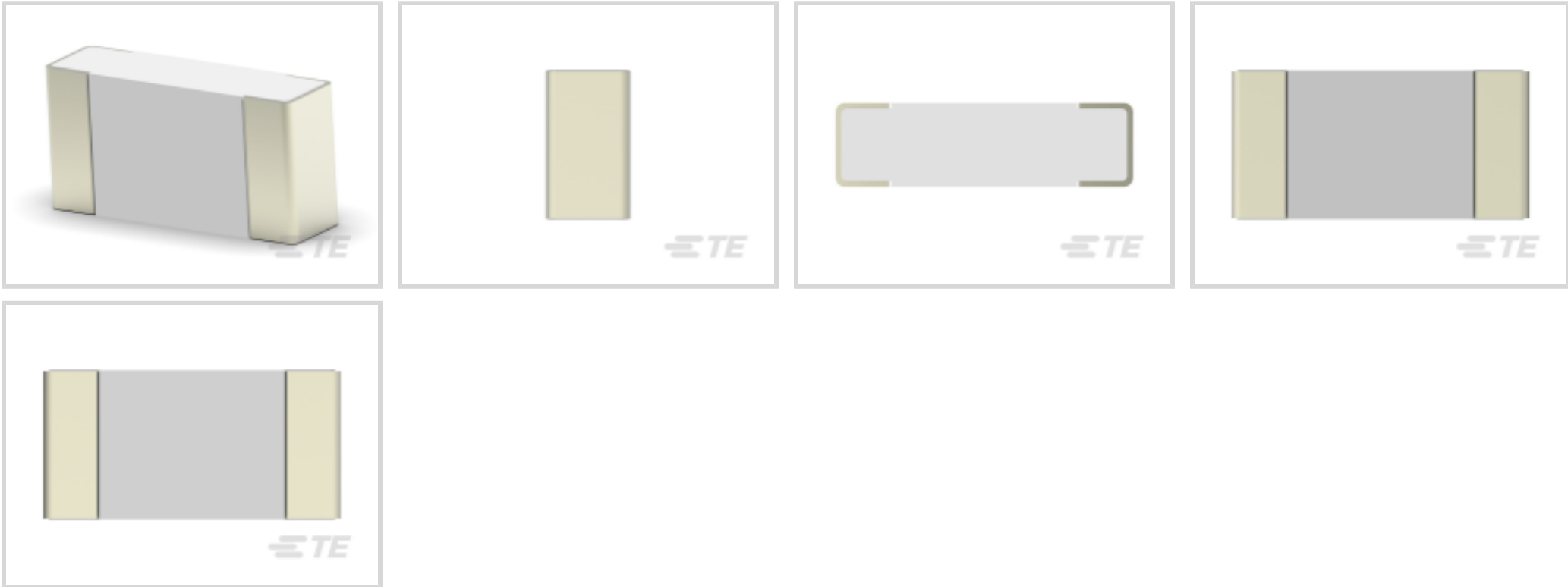




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Number of Terminations: **2**

Package Size Code: **0603**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **5 %**

Features

Product Type Features

Resistor Type	General Purpose Resistor
Package Size Code	0603
Element Type	Thick Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	50 V
Passive Component Tolerance	5 %
Resistance Class	Up to 1k Ω
Resistance Value	8.2 Ω
Power Rating	.25 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Steel Cap



Dimensions

Product Height	.45 mm[.018 in]
Product Length	1.6 mm[.063 in]
Product Width	.8 mm[.031 in]

Usage Conditions

Temperature Coefficient	±400 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	Not reviewed for solder process capability

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 # 1-2176243-3
CRGS0603 5% 10R

TE Part # 1-2176243-1
CRGS0603 5% 6R8

Also in the Series | Neohm CRGS

Surface Mount Resistors(428)

Customers Also Bought

TE Part #1981284-4
SEMI-HARD TRAY DDR2 SODIMM 9.2 H STD AMC

TE Part #11028086-00
DISC-DISCRETE

TE Part #5-103414-8
10 MODII HDR SRST SHRD LF

TE Part #9-1879208-0
CPF 0402 51K 0.1% 25PPM 1K RL

TE Part #1622826-2
CRG0402 5% 100K

TE Part #2-2176326-7
CRGP 0603 1K5 1%

TE Part #8-2176307-8
RP 1E 0.1W 100K 0.1% 25PPM 5K RL

TE Part #1461403-3
OJE-SH-105LMH,000

TE Part #91H2-17-10-440-2-Z
91H2-17-10-440-2-Z



Documents

Product Drawings

CRGS0603 5% 8R2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176243-2_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176243-2_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176243-2_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