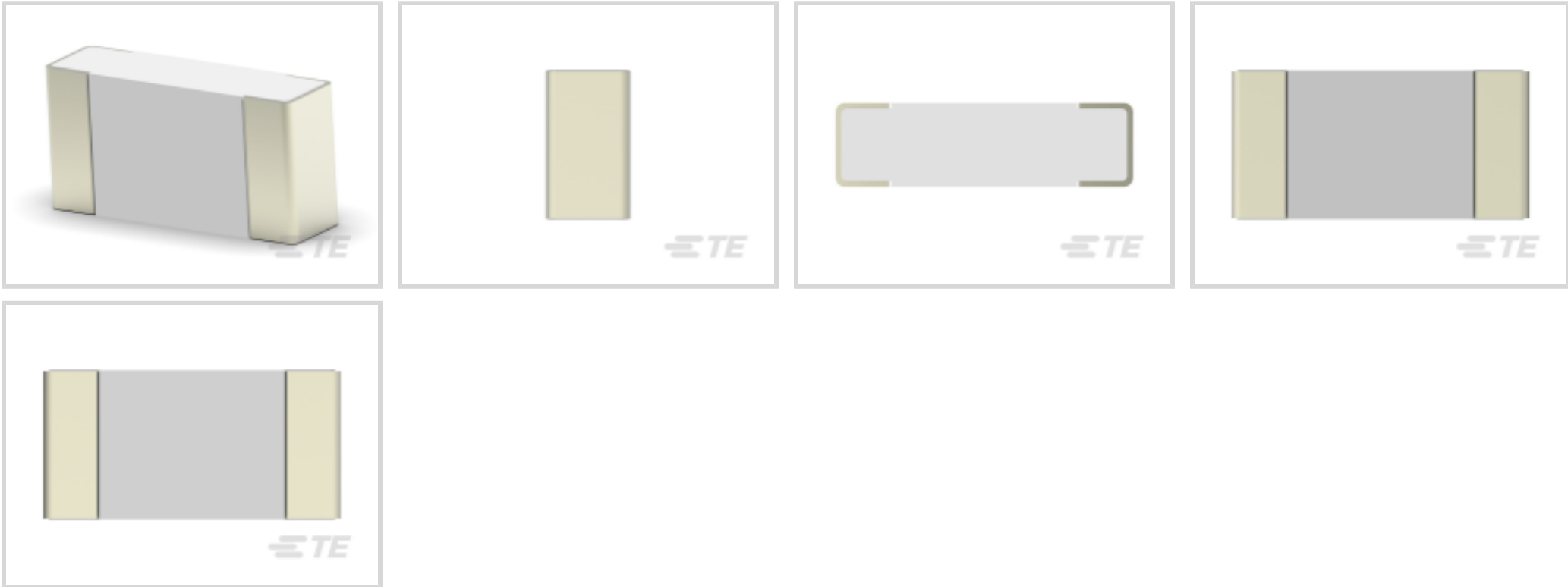




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: General Purpose Resistor

Element Type: Thick Film

Package Size Code: 0603

Power Rating: .25 W

Resistance Value: 6.8M  $\Omega$

Features

Product Type Features

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

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	50 V
Power Rating	.25 W
Resistance Value	6.8M $\Omega$
Resistance Class	1M $\Omega$ - 1G $\Omega$
Passive Component Tolerance	5 %

Termination Features

Surface Mount Resistor Termination Type	Steel Cap
Number of Terminations	2



Dimensions

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

Usage Conditions

Temperature Coefficient	$\pm 100$ 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	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 2024 (240) Candidate List Declared Against: JAN 2021 (211) 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

CRGS0603J6M8

General Purpose Resistor, Thick Film, 0603, .25 W, 6.8M  $\Omega$ , 5 %,  $\pm 100$  ppm/ $^{\circ}$ C, Steel Cap, 2 Termination, Height .018 in [.45 mm], Neohm CRGS



TE Part # 8-2176243-2  
CRGS0603 5% 5M6

TE Part # 8-2176243-4  
CRGS0603 5% 8M2

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

[Surface Mount Resistors\(428\)](#)

Customers Also Bought

TE Part # 6-1393243-8  
RT424024

TE Part # 1676411-2  
RN 0805 69K8 0.1% 10PPM 1KRL

TE Part # 8-2176244-5  
CRGS0805 5% 10M

TE Part # 2176398-8  
3502 27K 1%

TE Part # 1-2176398-4  
3502 47K 1%

TE Part # 881545-2  
SHUNT LP W/HANDLE 2 POS 30AU

TE Part # 4-2176387-5  
RQ 1206 383K 0.1% 10PPM 1K RL

Documents

[Product Drawings](#)  
[CRGS0603 5% 6M8](#)

English

[CAD Files](#)  
[3D PDF](#)

3D



Customer View Model

[ENG\\_CVM\\_CVM\\_8-2176243-3\\_BA.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_8-2176243-3\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_8-2176243-3\\_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