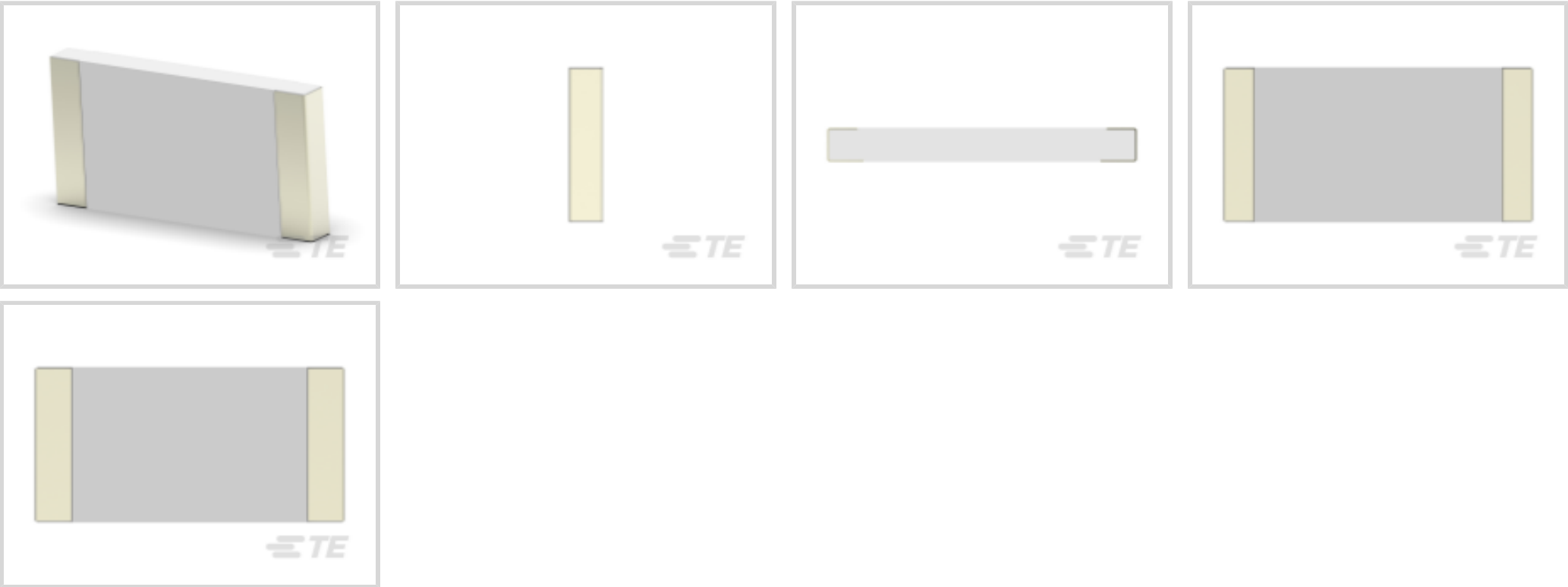




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **2010**

Power Rating: **.75 W**

Resistance Value: **220 Ω**

Features

Product Type Features

Resistor Type	General Purpose Resistor
Element Type	Thick Film
Package Size Code	2010

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	200 V
Power Rating	.75 W
Resistance Value	220 Ω
Resistance Class	Up to 1k Ω
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	5 mm[.197 in]
Product Width	2.5 mm[.098 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: JAN 2024 (240) Candidate List Declared Against: JAN 2022 (223) 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

CRGS2010J220R

General Purpose Resistor, Thick Film, 2010, .75 W, 220 Ω , 5 %, ± 100 ppm/ $^{\circ}\text{C}$, Solder, 2 Termination, Height .022 in [.55 mm], Neohm CRGS



TE Part # 2-2176251-8
CRGS2010 5% 180R

TE Part # 3-2176251-0
CRGS2010 5% 270R

Also in the Series | Neohm CRGS

Surface Mount Resistors(428)

Customers Also Bought

TE Part # 1-177648-5
D3100S DYNAMIC W-T-W TAB HSG

TE Part # 1-1415899-3
RZ03-1A4-D005

TE Part # 1393845-4
RP821012

TE Part # 1-641737-1
04P CMNL HDR ASSY R/A V0

TE Part # 41829-1
250 FASTON REC 14-12 AWG TPBR

TE Part # 5-1879208-0
CPF 0402 1K1 0.1% 25PPM 1K RL

TE Part # 8-1879214-0
CPF 0402 2K49 0.1% 25PPM 1K RL

TE Part # 1676173-2
RN 0805 12K4 0.1% 10PPM 1KRL

TE Part # 3-2232876-1
GIC6.0MM CONNECTOR HEAD
HOUSING ASS 3POS

TE Part # 1-215079-0
MICRO-MATCH FOB.10P



Documents

Product Drawings

CRGS2010 5% 220R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-2176251-9_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-2176251-9_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-2176251-9_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