



Neohm | Neohm CRGS

TE Internal #: 2-2176251-1

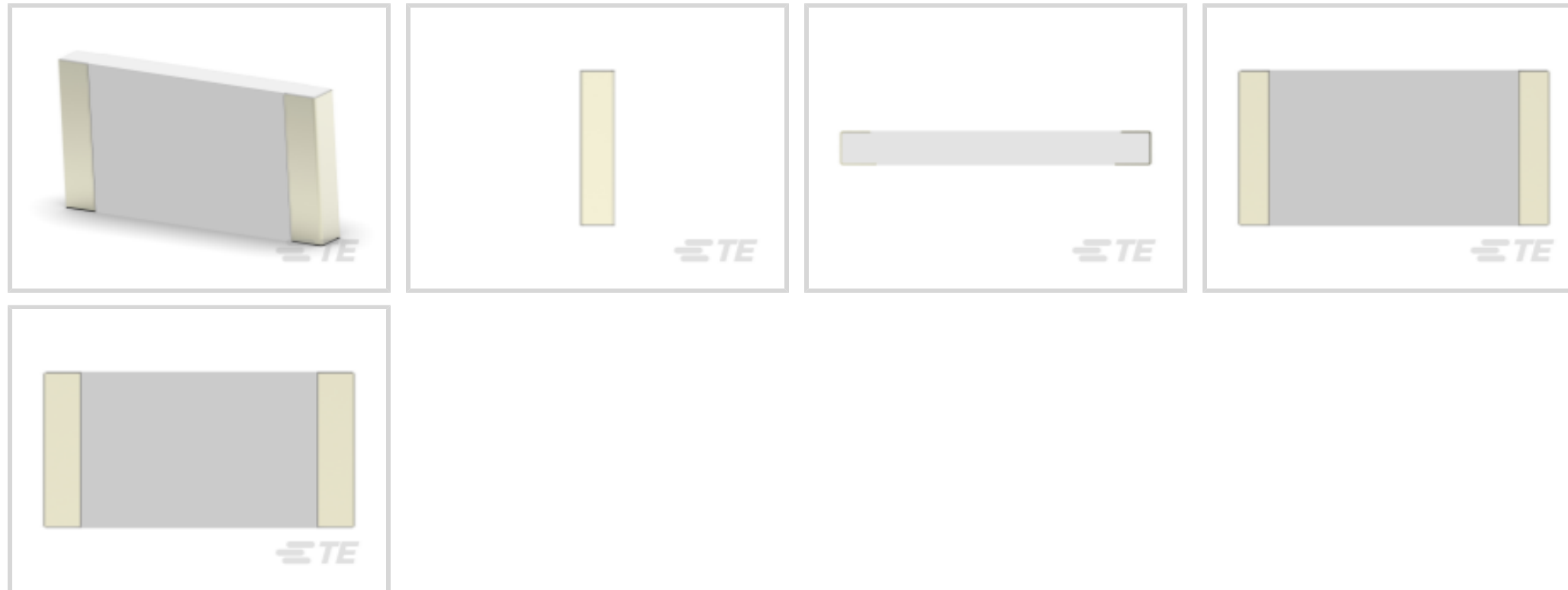
47 ohm, Surface Mount General Purpose Resistor, Thick Film, 2010, .

75 W, 5 %, ±100 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in]

Height, Neohm CRGS

[View on TE.com >](#)

Passive Components > Resistors > Surface Mount Resistors



Resistance Value: 47 Ω

Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: 2010

Power Rating: .75 W

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
Resistance Value	47 Ω
Power Rating	.75 W
Resistance Class	Up to 1kΩ
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 2-2176251-0
CRGS2010 5% 39R



TE Part # 2-2176251-2
CRGS2010 5% 56R

Also in the Series | Neohm CRGS



Surface Mount Resistors(208)

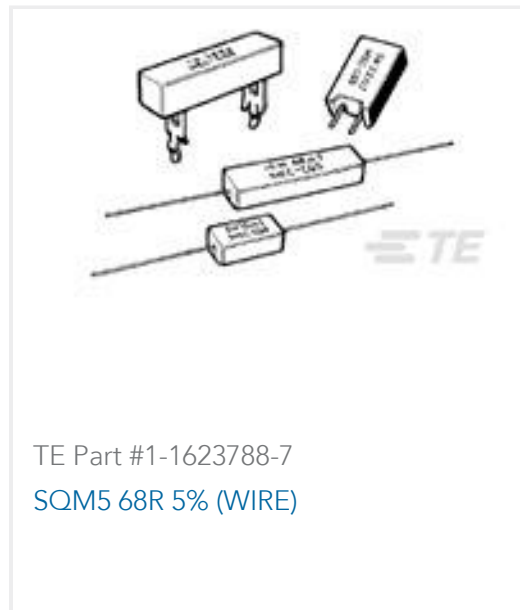
Customers Also Bought



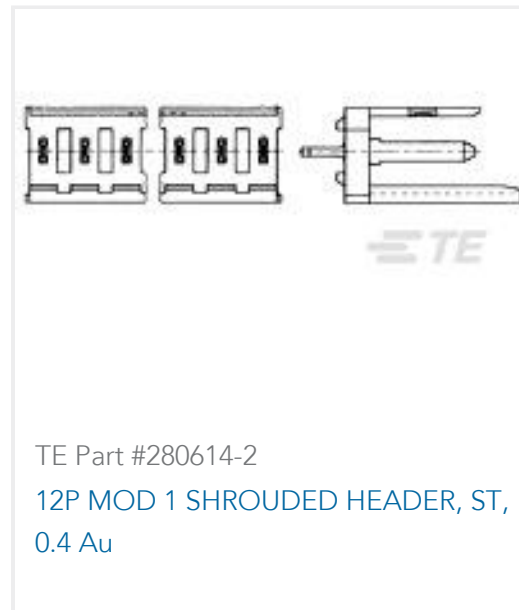
TE Part #CAT-SCH691-T1
PCB Power Relay: 30 Amp,
Monostable DC



TE Part #1SNG626018R0000
EP-SGL-M16-BL-F



TE Part #1-1623788-7
SQM5 68R 5% (WIRE)



TE Part #280614-2
12P MOD 1 SHROUDED HEADER, ST,
0.4 Au



TE Part #5-1419144-3
OJE-SS-109LMH,000



TE Part #2-106505-2
9P.HDP20 REC.ASSY.



TE Part #2176251-9
CRGS2010 5% 4R7



TE Part #2-1393219-0
PE514012



TE Part #4-1419108-2
RTE44012F



Documents

Product Drawings

[CRGS2010 5% 47R](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-2176251-1_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2176251-1_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2176251-1_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