CRGCQ0402J6R8 ✔ ACTIVE

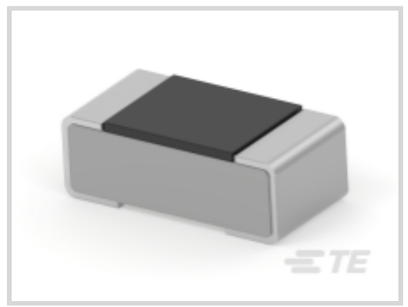
Neohm | Neohm CRGCQ

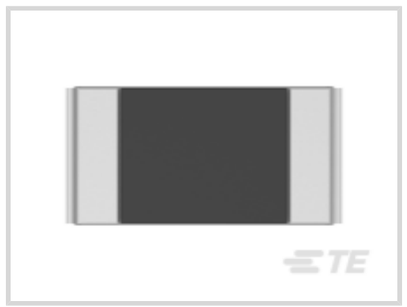
TE Internal #: 2176338-6

6.8 ohm, Surface Mount General Purpose Resistor, Thick Film, 0402, .0625 W, 5 %, ±400 ppm/°C, Solder, 2 Terminations, Neohm CRGCQ

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors







Resistance Value: **6.8 Ω**

Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **0402**

Power Rating: **.0625 W**

Features

Product Type Features

Resistor Type	General Purpose Resistor
Element Type	Thick Film
Package Size Code	0402

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	50 V
Resistance Value	6.8 Ω
Power Rating	.0625 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	.35 mm[.014 in]
Product Length	1 mm[.039 in]
Product Width	.5 mm[.02 in]

Usage Conditions

Temperature Coefficient	±400 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

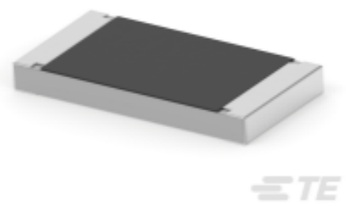
For compliance documentation, visit the product page on TE.com>

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: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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



TE Part # 1-2176350-2
CRGCQ 2512 68R 5%



TE Part # 2176349-4
CRGCQ 2512 18R 1%



TE Part # 1-2176345-2
CRGCQ 1210 82R 1%

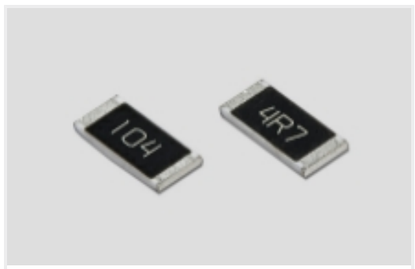


TE Part # 1-2176347-7
CRGCQ 2010 220R 1%



TE Part # 1-2176341-7
CRGCQ 0805 220R 1%

Also in the Series | Neohm CRGCQ

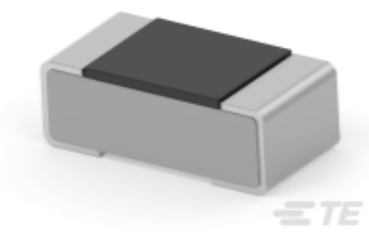


Surface Mount Resistors(693)

Customers Also Bought



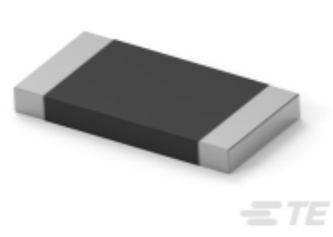
TE Part #2-1825910-7
FSM14JH=6MM TACT SWITCH, HIGH TEMP



TE Part #2-2176338-3
CRGCQ 0402 4K7 5%



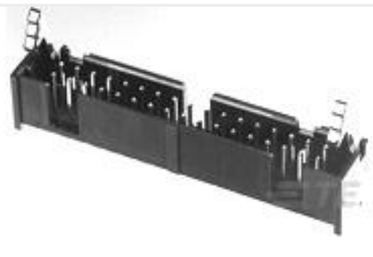
TE Part #CAT-C339-R529C
Thick Film Resistor: Current Sense



TE Part #2-2176421-5
TLRP 2512 2.0W R040 1% 25PPM 4K RL



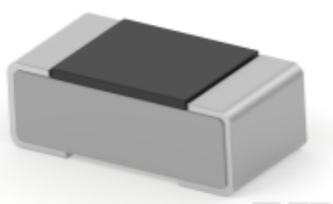
TE Part #2-1622826-4
CRG0402 5% 220R



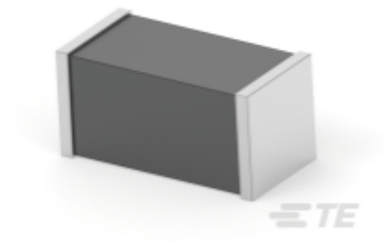
TE Part #1-1761606-0
IDC LOW PRO HDR 30P VERT LA



TE Part #5-1622824-5
RL73N 1E R33 5% 5K RL



TE Part #2176338-3
CRGCQ 0402 2R2 5%



TE Part #2-2176493-1
BMC 0603 1K0 25% A Gen C1

Documents

Product Drawings

CRGCQ 0402 6R8 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176338-6_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176338-6_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176338-6_BA.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

CRGCQ Data Sheet

English