



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **1210**

Power Rating: **.5 W**

Resistance Value: **82 Ω**

Features

Product Type Features

Resistor Type	General Purpose Resistor
Element Type	Thick Film
Package Size Code	1210

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	200 V
Power Rating	.5 W
Resistance Value	82 Ω
Resistance Class	Up to 1kΩ
Passive Component Tolerance	1 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.55 mm[.022 in]
Product Length	3.1 mm[.122 in]



Product Width	2.6 mm[.102 in]
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Usage Conditions

Temperature Coefficient	±200 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>

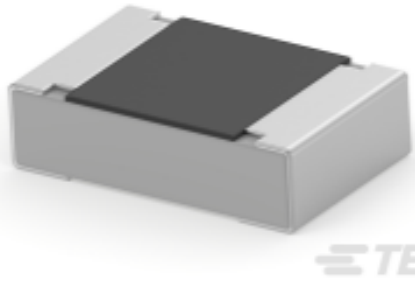
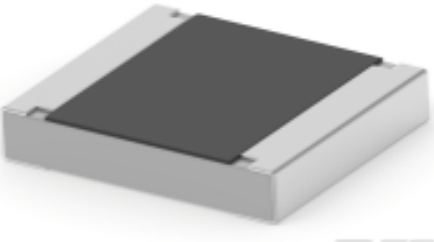
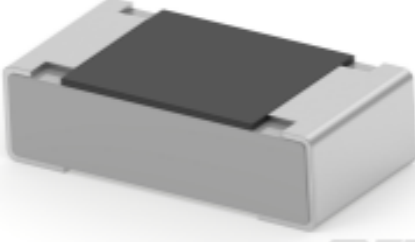
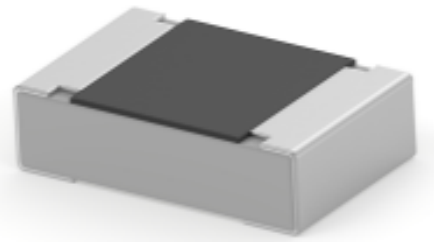
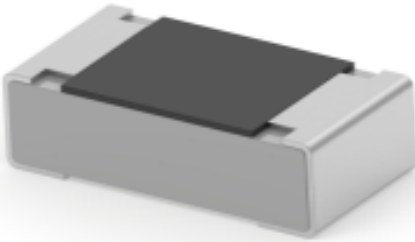
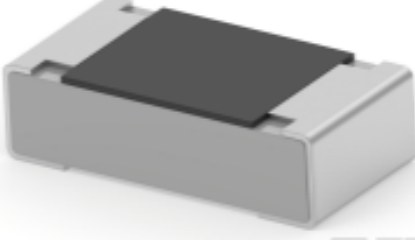
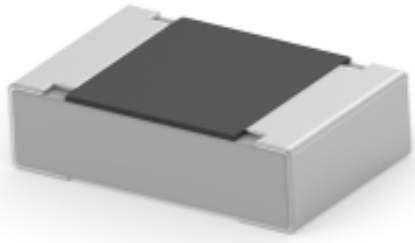
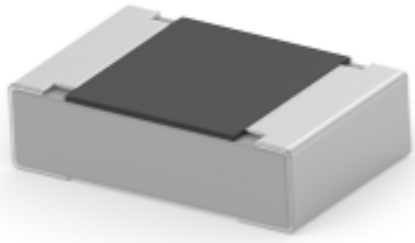
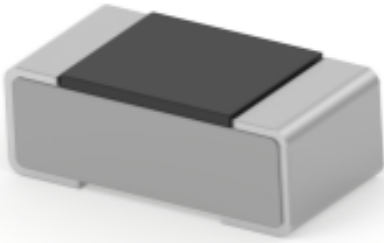
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

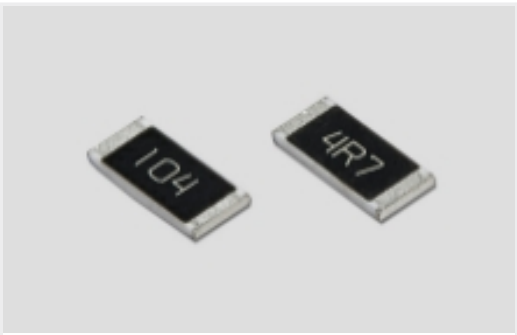
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1-2176349-4 CRGCQ 2512 120R 1%	 TE Part # 1-2176349-9 CRGCQ 2512 330R 1%	 TE Part # 1-2176342-9 CRGCQ 0805 1K0 5%	 TE Part # 1-2176345-6 CRGCQ 1210 180R 1%
 TE Part # 2176347-6 CRGCQ 2010 27R 1%	 TE Part # 2176346-1 CRGCQ 1210 1R0 5%	 TE Part # 3-2176340-6 CRGCQ 0603 680K 5%	 TE Part # 3-2176339-7 CRGCQ 0603 10K 1%
 TE Part # 3-2176345-3 CRGCQ 1210 4K7 1%	 TE Part # 3-2176342-7 CRGCQ 0805 1M0 5%	 TE Part # 2176340-3 CRGCQ 0603 2R2 5%	 TE Part # 2176343-9 CRGCQ 1206 47R 1%
 TE Part # 2176340-1 CRGCQ 0603 1R0 5%	 TE Part # 2176339-6 CRGCQ 0603 27R 1%	 TE Part # 2176341-8 CRGCQ 0805 39R 1%	 TE Part # 2176339-2 CRGCQ 0603 12R 1%
 TE Part # 2176342-5 CRGCQ 0805 4R7 5%	 TE Part # 2176349-2 CRGCQ 2512 12R 1%	 TE Part # 2176342-9 CRGCQ 0805 22R 5%	 TE Part # 2176338-3 CRGCQ 0402 2R2 5%

Also in the Series | [NEOHM CRGCQ](#)



Surface Mount Resistors(693)

Customers Also Bought

TE Part #1624094-1
3613C 10UH 10%

TE Part #1676369-2
RN 0805 52R3 0.1% 10PPM 1KRL

TE Part #8-1879208-0
CPF 0402 20K 0.1% 25PPM 1K RL

TE Part #9-1879208-2
CPF 0402 62K 0.1% 25PPM 1K RL

TE Part #3-1879215-5
CPF 0402 9K31 0.1% 25PPM 1K RL

TE Part #9-1879215-3
CPF 0402 42K2 0.1% 25PPM 1K RL

TE Part #5-1879216-0
CPF0402 154K 0.1% 25PPM 1K RL

TE Part #5-1879216-8
CPF 0402 210K 0.1% 25PPM 1K RL

TE Part #2-2176280-6
CPF 0402 191K 0.1% 25PPM 1K RL

TE Part #5558178-1
MJ,R/A,SMT,8P,PCB GRD,PINL STOP

Documents

Product Drawings
CRGCQ 1210 82R 1%

English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-2176345-2_BA.2d_dxf.zip

CRGCQ1210F82R

82 ohm, Thick Film, General Purpose Resistor, 1 %, 1210, .5 W, ±200 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, NEOHM CRGCQ



English

Customer View Model

[ENG_CVM_CVM_1-2176345-2_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2176345-2_BA.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[CRGCQ Data Sheet](#)

English