



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **2512**

Power Rating: **1 W**

Resistance Value: **2.7K Ω**

Features

Product Type Features

Resistor Type	General Purpose Resistor
Element Type	Thick Film
Package Size Code	2512

Configuration Features

Number of Resistors	1
---------------------	---

Electrical Characteristics

Operating Voltage	200 V
Power Rating	1 W
Resistance Value	2.7K Ω
Resistance Class	1k Ω - 1M Ω
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	6.35 mm[.25 in]



Product Width	3.2 mm[.126 in]
---------------	-----------------

Usage Conditions

Temperature Coefficient	± 100 ppm/ $^{\circ}\text{C}$
-------------------------	-----------------------------------

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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	Reflow solder capable to 260 $^{\circ}\text{C}$

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

CRGCQ2512F2K7

General Purpose Resistor, Thick Film, 2512, 1 W, 2.7K Ω , 1 %, ± 100 ppm/ $^{\circ}\text{C}$, Solder, 2 Termination, Height .022 in [.55 mm], Neohm CRGCQ



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

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

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

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

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

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

Surface Mount Resistors(728)

Customers Also Bought

TE Part # 8-215079-2
MICRO-MATCH FOB.12P

TE Part # 280508-2
9P AMPMODU II SHRD HDR, ST, 0.38 AU

TE Part # 280379-1
6P AMPMODU II SHRD HDR, RT ANG, TIN

TE Part # 3-2176349-5
CRGCQ 2512 6K8 1%

TE Part # 4-2176330-0
CRGP 2010 18K 1%

TE Part # 3-2176379-1
RQ 0805 221R 0.1% 10PPM 5K RL

TE Part # 8-2176378-1
RQ 0805 68R1 0.1% 10PPM 5K RL

TE Part # 6-1414989-1
V23134Z1020-EV-CBOX



TE Part # 1658665-1
FLEXPAC,SOCKET CONTACT,
SALEABL

TE Part # 1775838-2
mSATA/mini PCI-E 5.6H Type I G/F

Documents

Product Drawings

CRGCQ 2512 2K7 1%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-2176349-0_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-2176349-0_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-2176349-0_BA.3d_stp.zip

English

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