CRGCQ2512F82R ✔ ACTIVE

NEOHM | NEOHM CRGCQ

TE Internal #: 1-2176349-2

82 ohm, Thick Film, General Purpose Resistor, 1 %, 2512, 1 W, ±200 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, NEOHM CRGCQ

View on TE.com >

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: **82 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	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	6.35 mm[.25 in]

Product Width	3.2 mm[.126 in]

Usage Conditions

Temperature Coefficient	±200 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	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

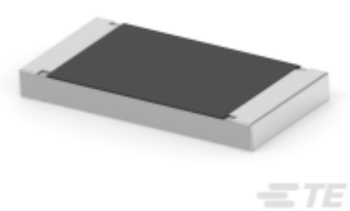
Product Compliance Disclaimer

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



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



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

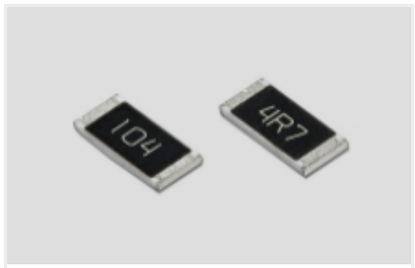


TE Part # 1-2176347-7
CRGCQ 2010 220R 1%



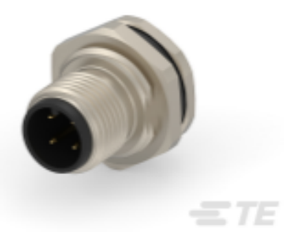
TE Part # 1-2176341-7
CRGCQ 0805 220R 1%

Also in the Series | NEOHM CRGCQ

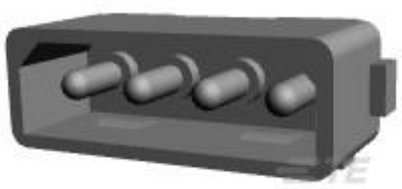


Surface Mount Resistors(693)

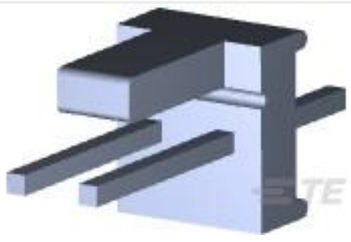
Customers Also Bought



TE Part #T4171010004-001
M12,REAR MOUNTING,MALE,A,4P,0.2 M WIRE



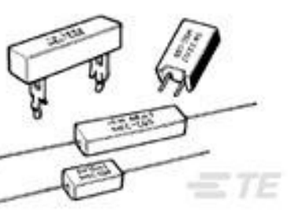
TE Part #350211-1
04P CMNL HDR ASSY PC



TE Part #640454-2
02P MTA100 HDR ASSY SQ STR POL



TE Part #1622674-1
LR2 1% 10K



TE Part #1-1623782-3
SQM5 47K 5% (METAL FILM)



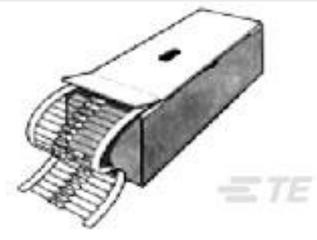
TE Part #5-1625890-8
2W SM M/OX 5% 560R



TE Part #1658610-4
09 POS HDF RCPT, MS, LEAD FREE



TE Part #2176081-5
EP 1W (S) 47R 5%



TE Part #1-2176082-1
EP 3W (S) 470R 5%



TE Part #6-2176611-9
EP 2W (SS) 680R 5%

Documents

Product Drawings

CRGCQ 2512 82R 1%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176349-2_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176349-2_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176349-2_BA.3d_stp.zip

English

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Datasheets & Catalog Pages

CRGCQ Data Sheet

English