CRGS2512J8R2 ✔ ACTIVE

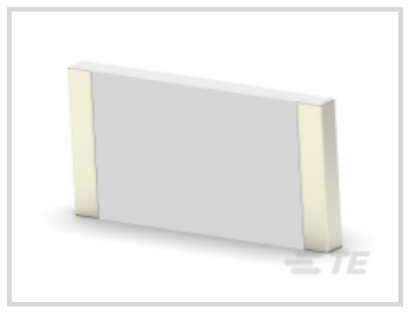
NEOHM | NEOHM CRGS

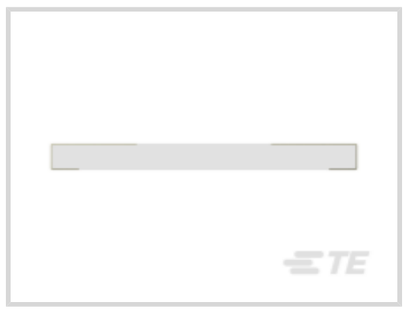
TE Internal #: 1-2176246-2

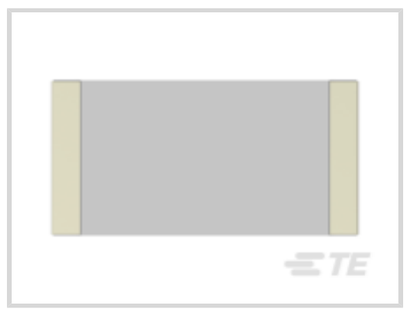
8.2 ohm, Thick Film, General Purpose Resistor, 5 %, 2512, 1.5 W, ±200 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, NEOHM CRGS

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: **1.5 W**

Resistance Value: **8.2 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	250 V
Power Rating	1.5 W
Resistance Value	8.2 Ω
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	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

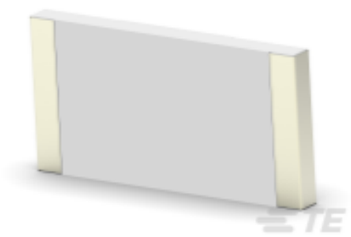
For compliance documentation, visit the product page on TE.com>

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

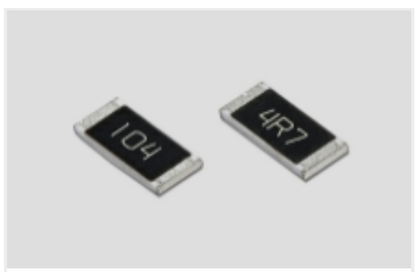


TE Part # 1-2176246-1
CRGS2512 5% 6R8



TE Part # 1-2176246-3
CRGS2512 5% 10R

Also in the Series | NEOHM CRGS



Surface Mount Resistors(208)

Customers Also Bought



TE Part #1-1123309-2
DYNAMIC D-5 HDR H ASSY 4P XX



TE Part #1393236-7
V23092-A1012-A301



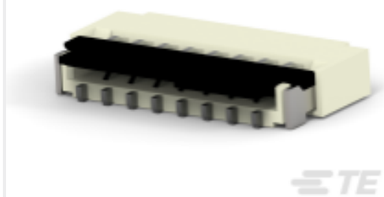
TE Part #9-1879061-9
CPF0402 120K 0.1% 25PPM 5K RL



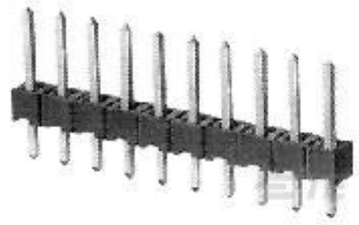
TE Part #2118729-2
STD SHIELD COVER, CRS-44.60X31.10X2.00MM



TE Part #1-2176349-9
CRGCQ 2512 330R 1%



TE Part #3-2328724-1
31PIN 0.3MMP FPC CONNECTOR, FRONT FLIP



TE Part #826629-3
3P AMPMODU II

Documents

Product Drawings

CRGS2512 5% 8R2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176246-2_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176246-2_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176246-2_BA.3d_stp.zip

English

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

Datasheets & Catalog Pages

SMD Anti-Surge Thick Film Chip Resistor - Type CRGS Series - Tyco Electronics Passives

English