CRGP2512F6K8 ✔ ACTIVE

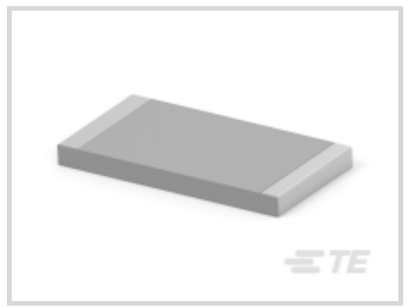
Neohm | Neohm CRGP

TE Internal #: 3-2176331-5

6.8K ohm, Surface Mount General Purpose Resistor, Thick Film, 2512, 2 W, 1 %, ±100 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, Neohm CRGP

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors



Resistance Value: **6.8K Ω**

Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **2512**

Power Rating: **2 W**

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	500 V
Resistance Value	6.8K Ω
Power Rating	2 W
Resistance Class	1kΩ – 1MΩ
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/°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: JAN 2025 (247) 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°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 # 5-2176327-4
CRGP 0805 270K 1%



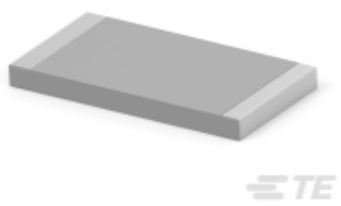
TE Part # 2176326-2
CRGP 0603 12R 1%



TE Part # 2-2176328-3
CRGP 1206 680R 1%

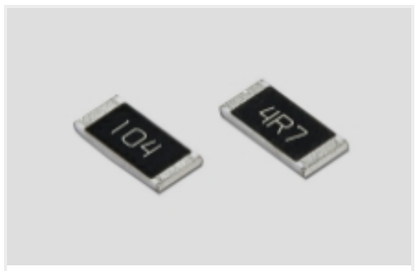


TE Part # 6-2176330-1
CRGP 2010 1M0 1%



TE Part # 4-2176331-9
CRGP 2512 100K 1%

Also in the Series | Neohm CRGP



Surface Mount Resistors(420)

Customers Also Bought



TE Part #5-2176328-4
CRGP 1206 270K 1%



TE Part #3-794680-2
02P MICRO MNL ASSY,VRT,THRU LF



TE Part #5-1879022-3
SMF3 47K 5%



TE Part #DT15-12PA-G003
HDR, 12P, GRY, ST, AU/NI/CU, A



TE Part #CAT-D799-H342
DEUTSCH DRC Headers



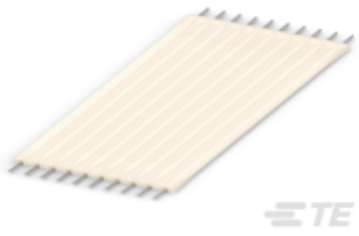
TE Part #4-794680-6
16P MICRO MNL ASSY,VRT,THRU LF



TE Part #3-794680-8
08P MICRO MNL ASSY,VRT,THRU LF



TE Part #2-2176186-9
CRGH1206 1% 27K 0.5W



TE Part #1474644-9
FSN-23A-4

Documents

Product Drawings

CRGP 2512 6K8 1%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-2176331-5_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-2176331-5_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-2176331-5_BA.3d_stp.zip

English

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

Datasheets & Catalog Pages

CRGP Data Sheet

English