



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **General Purpose Resistor**

Element Type: **Thick Film**

Package Size Code: **2512**

Power Rating: **2 W**

Resistance Value: **100K Ω**

Features

Product Type Features

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

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	500 V
Power Rating	2 W
Resistance Value	100K 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

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±100 ppm/°C

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	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

CRGP2512F100K

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



 TE Part # 4-2176325-9 CRGP 0402 100K 1%	 TE Part # 1-2176325-3 CRGP 0402 100R 1%	 TE Part # 3-2176325-7 CRGP 0402 10K 1%	 TE Part # 2176325-1 CRGP 0402 10R 1%
 TE Part # 5-2176325-0 CRGP 0402 120K 1%	 TE Part # 1-2176325-4 CRGP 0402 120R 1%	 TE Part # 3-2176325-8 CRGP 0402 12K 1%	 TE Part # 2176325-2 CRGP 0402 12R 1%
 TE Part # 5-2176325-1 CRGP 0402 150K 1%	 TE Part # 1-2176325-5 CRGP 0402 150R 1%	 TE Part # 3-2176325-9 CRGP 0402 15K 1%	 TE Part # 2176325-3 CRGP 0402 15R 1%
 TE Part # 5-2176325-2 CRGP 0402 180K 1%	 TE Part # 1-2176325-6 CRGP 0402 180R 1%	 TE Part # 4-2176325-0 CRGP 0402 18K 1%	 TE Part # 2176325-4 CRGP 0402 18R 1%
 TE Part # 2-2176325-5 CRGP 0402 1K0 1%	 TE Part # 2-2176325-6 CRGP 0402 1K2 1%	 TE Part # 2-2176325-7 CRGP 0402 1K5 1%	 TE Part # 2-2176325-8 CRGP 0402 1K8 1%

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

CRGP2512F100K

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



Surface Mount Resistors(432)

Customers Also Bought

TE Part #2-2232875-1
GIC6.0MM CONNECTOR PLUG HOUSING 2POS

TE Part #9-2176091-6
RP 2A 0.25W 590R 0.1% 25PPM 1K RL

TE Part #2-2176345-5
CRGCQ 1210 1K0 1%

TE Part #1-2176331-8
CRGP 2512 270R 1%

TE Part #5-2176331-7
CRGP 2512 470K 1%

TE Part #CAT-FSS0002
3/4BSP MALE X FEMALE WATER FLOW SWITCH

TE Part #5-146277-2
02 MODII HDR SRST B/A .100CL

TE Part #1-2176471-6
HPCR 0819 A 10% 100R Std T&R

TE Part #2176471-9
HPCR 0819 A 10% 27R Std T&R

TE Part #2176471-1
HPCR 0819 A 10% 5R6 Std T&R

Documents

Product Drawings
CRGP 2512 100K 1%

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_4-2176331-9_BA.2d_dxf.zip

CRGP2512F100K

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



English

Customer View Model

[ENG_CVM_CVM_4-2176331-9_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-2176331-9_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