



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: **150 Ω**

Features

Electrical Characteristics

Operating Voltage	500 V
Power Rating	2 W
Resistance Value	150 Ω
Resistance Class	Up to 1kΩ
Passive Component Tolerance	1 %

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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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
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Packaging Features

Packaging Method	Taped & Reeled
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Other

EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant with Exemptions

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: 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

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

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

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%

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

[Surface Mount Resistors\(420\)](#)

Customers Also Bought

TE Part #2-1445100-4
MICRO MNL HDR ASSY S/ROW LF

TE Part #2-2176403-9
3550 15R 1%

TE Part #ANT-916-PW-QW
Antenna 1/4 Wave Whip 916MHz
RG174

TE Part #3-1617118-1
J1MACDD-26XM = M39016/24-030M

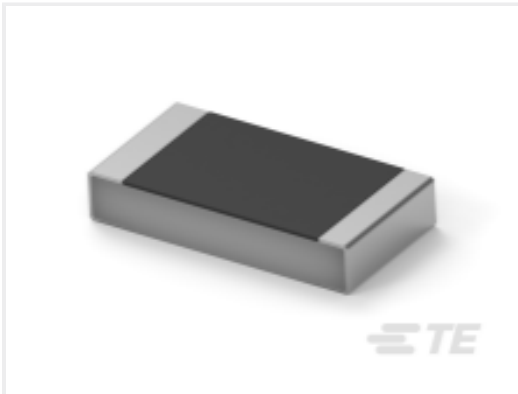
CRGP2512F150R

Surface Mount General Purpose Resistor, Thick Film, 2512, 2 W, 150 ohm, 1 %, ±100 ppm/°C, Solder, 2 Terminations, Height .55 mm [.022 in], Neohm CRGP





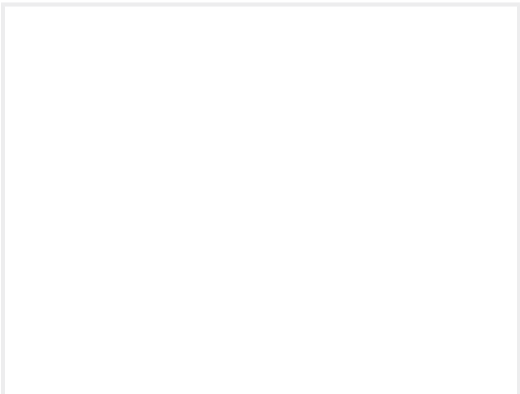
TE Part #ZPF000000000149375
983-0RS 14-07 PY



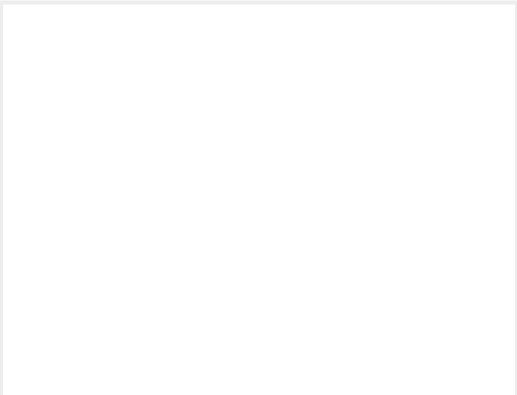
TE Part #2-2176458-3
CPF 1206 1R69 0.1% 25ppm 1K RL



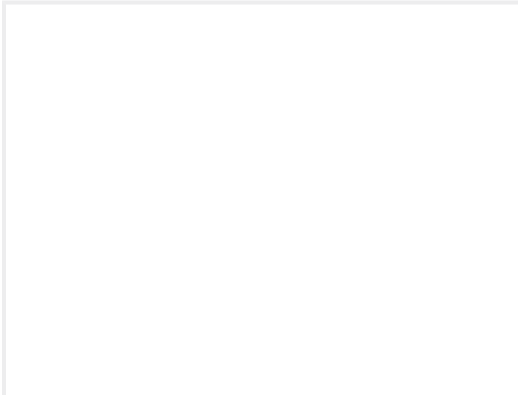
TE Part #3-2176374-7
RQ 0805 255R 0.1% 10PPM 1K RL



TE Part #HPP845E034R5
HTU20D RH/T SENSOR IC DIGITAL



TE Part #594211-E
STVSKO C F 181 ABGE * 50 LP-5 1,00
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TE Part #86508-000
FLC5-01 LIQUID LEVEL SENSOR

Documents

Product Drawings

CRGP 2512 150R 1%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176331-5_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176331-5_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176331-5_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