



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**

Element Type: **Thick Film**

Package Size Code: **0603**

Power Rating: **.2 W**

Resistance Value: **169 Ω**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Thick Film
Package Size Code	0603

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	50 V
Power Rating	.2 W
Resistance Value	169 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	.45 mm[.018 in]
Product Length	1.6 mm[.063 in]
Product Width	.8 mm[.031 in]



Usage Conditions

Temperature Coefficient	±100 ppm/°C
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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	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
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

CRGH0603F169R

169 ohm, Thick Film, Power Resistor, 1 %, 0603, .2 W, ±100 ppm/°C, Solder, 2 Terminations, .45 mm [.018 in] Height, NEOHM CRGH



TE Part # 1-1879502-0
[CRGH2512 5% 33K 2W](#)

TE Part # 9-1879510-1
[CRGH0805 1% 10K 0.33W](#)

TE Part # 6-1879501-0
[CRGH2512 5% 300R 2W](#)

TE Part # 3-1879523-9
[CRGH2512 1% 24R9 2W](#)

TE Part # 1879513-1
[CRGH1206 1% 10R 0.5W](#)

Also in the Series | [NEOHM CRGH](#)

[Surface Mount Resistors\(3655\)](#)

Customers Also Bought

TE Part #1-830611-0
[LGH 1/2 SNGL MLD END](#)

TE Part #9-1625971-5
[HSA25 R01 10%](#)

TE Part #1-1879353-9
[RR02 5% 24K AMMO](#)

TE Part #7-1879354-5
[RR03 5% 390R AMMO](#)

TE Part #7-1879648-1
[H4P 287R 0.5% 100PPM](#)

TE Part #7-2176305-3
[RP 1E 0.1W 604R 0.1% 25PPM 5K RL](#)

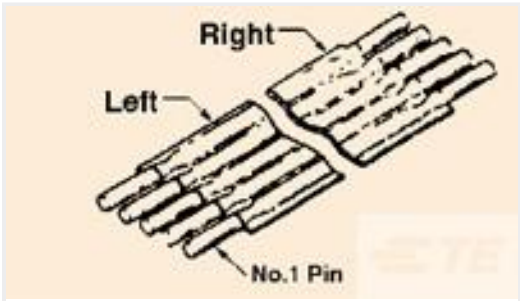
TE Part #3-2176307-2
[RP 1E 0.1W 26K1 0.1% 25PPM 5K RL](#)

TE Part #2337238-3
[TACT MINI GW 5.2X5.2X2 160GF](#)

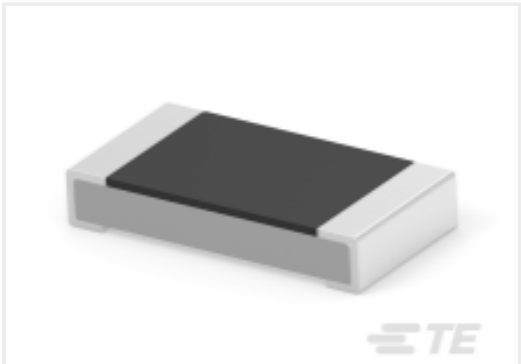
CRGH0603F169R

169 ohm, Thick Film, Power Resistor, 1 %, 0603, .2 W, ±100 ppm/°C, Solder, 2 Terminations, .45 mm [.018 in] Height, NEOHM CRGH





TE Part #3-1437162-8
[FSP-12A-11](#)



TE Part #2-2176392-9
[RQ 1206 261K 0.1% 10PPM 5K RL](#)

Documents

Product Drawings

[CRGH0603 1% 169R 0.2W](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-1879504-0_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1879504-0_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1879504-0_BA.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[1309350_PASSIVE_COMPONENT](#)

English

[High Power Thick Film Chip Resistors](#)

English