

Neohm | Neohm CPF

TE Internal #: 1-2176280-9

Surface Mount Precision Resistor, Thin Film, 0402, .063 W, 165K ohm, .1 %, ± 25 ppm/ $^{\circ}$ C, Solder, 2 Terminations, Height .3 mm [.012 in], Neohm CPF

[View on TE.com >](#)

Passive Components > Resistors > Surface Mount Resistors

Resistor Type: **Precision Resistor**Element Type: **Thin Film**Package Size Code: **0402**Power Rating: **.063 W**Resistance Value: **165K Ω**

Features

Industry Standards

Moisture Sensitivity Level	1
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Usage Conditions

Operating Temperature Range	-55 – 155 $^{\circ}$ C
Temperature Coefficient	± 25 ppm/ $^{\circ}$ C

Product Type Features

Resistor Type	Precision Resistor
Element Type	Thin Film
Package Size Code	0402

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Power Rating	.063 W
Resistance Value	165K Ω

Resistance Class	1kΩ – 1MΩ
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Passive Component Tolerance	.1 %
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Termination Features

Surface Mount Resistor Termination Type	Solder
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Number of Terminations	2
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Dimensions

Product Height	.3 mm [.012 in]
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Product Length	1 mm [.039 in]
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Product Width	.5 mm [.02 in]
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Packaging Features

Packaging Method	Taped & Reeled
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Other

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241)
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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
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Solder Process Capability	Reflow solder capable to 260°C
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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 # 1879210-8
CPF 0402 162R 0.1% 25PPM 5K RL



TE Part # 2-2176280-1
CPF 0402 169K 0.1% 25PPM 1K RL

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



Surface Mount Resistors(5842)

Customers Also Bought



TE Part #213283-2
HARDWARE KIT, DRAWER CONN



TE Part #5103309-8
A/L LOW PRO HDR 40P VERT BLACK



TE Part #181270-3
MOD 2 BUCHSE



TE Part #CONN001-W
N Type Jack 50 Ohm PCB Through Hole



TE Part #8-2176306-0
RP 1E 0.1W 7K68 0.1% 25PPM 5K RL



TE Part #064002-E
SMCQ 12 M AB VV 3-04 * 2,8 0003 137
E001



TE Part #064003-E
SMCQ 26 M AB VV 3-04 * 2,8 0003 137
E001



TE Part #064004-E
SMCQ 50 M AB VV 3-04 * 2,8 0003 137
E001



Documents

Product Drawings

[CPF 0402 165K 0.1% 25PPM 1K RL](#)

English

Datasheets & Catalog Pages

[CPF-1016](#)

English