



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0603**

Power Rating: **.063 W**

Resistance Value: **30.1K Ω**

Features

Industry Standards

Moisture Sensitivity Level	1
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Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±25 ppm/°C

Electrical Characteristics

Operating Voltage	50 V
Power Rating	.063 W
Resistance Value	30.1K Ω
Resistance Class	1k Ω – 1M Ω
Passive Component Tolerance	.1 %

Product Type Features

Resistor Type	Precision Resistor
Element Type	Thin Film
Package Size Code	0603



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	.45 mm[.018 in]
Product Length	1.55 mm[.061 in]
Product Width	.8 mm[.031 in]

Packaging Features

Packaging Method	Reel
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No 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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 6-1614881-4

CPF 0603 160R 0.1% 25PPM 5K RL

Also in the Series | Neohm CPF

Surface Mount Resistors(5842)

Customers Also Bought

TE Part #DT04-2P

REC, 2P, GRY, N

TE Part #DT06-2S

PLG, 2P, GRY, N

TE Part #CAT-D487-W416

Wedgelocks: DEUTSCH DT

TE Part #CAT-D48-ST273

DEUTSCH Solid Contacts

TE Part #CAT-AM71-CH8172

AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

TE Part #281934-2

SINGLE WIRE SEAL

TE Part #114017-ZZ

SEALING PLUG, SIZE 12/16, WHT

Documents

CPF0603B30K1E

Surface Mount Precision Resistor, Thin Film, 0603, .063 W, 30.1K ohm, .1 %, ±25 ppm/°C, Solder, 2 Terminations, Height .45 mm [.018 in], Neohm CPF



Product Drawings

CPF0603 30K1 0.1% 25PPM 5K RL

English

Datasheets & Catalog Pages

CPF-1016

English