



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0402**

Power Rating: **.0625 W**

Resistance Value: **100K Ω**

Features

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

Operating Voltage	25 V
Power Rating	.0625 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	.3 mm[.012 in]
Product Length	1 mm[.039 in]
Product Width	.5 mm[.02 in]

Usage Conditions

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

Industry Standards

Moisture Sensitivity Level	1
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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	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 2023 (235) 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 # 2176236-2 CPF A 0402 100R 0.1% 25PPM 5K RL	 TE Part # 2-2176236-8 CPF A 0402 12K 0.1% 25PPM 5K RL	 TE Part # 2176236-7 CPF A 0402 1K0 0.1% 25PPM 5K RL	 TE Part # 2176236-9 CPF A 0402 1K43 0.1% 25PPM 5K RL
 TE Part # 1-2176236-2 CPF A 0402 1K82 0.1% 25PPM 5K RL	 TE Part # 3-2176236-1 CPF A 0402 20K 0.1% 25PPM 5K RL	 TE Part # 3-2176236-3 CPF A 0402 22K1 0.1% 25PPM 5K RL	 TE Part # 1-2176236-4 CPF A 0402 2K1 0.1% 25PPM 5K RL
 TE Part # 3-2176236-6 CPF A 0402 33K2 0.1% 25PPM 5K RL	 TE Part # 3-2176236-7 CPF A 0402 34K8 0.1% 25PPM 5K RL	 TE Part # 4-2176236-0 CPF A 0402 49K9 0.1% 25PPM 5K RL	 TE Part # 4-2176236-3 CPF A 0402 57K6 0.1% 25PPM 5K RL
 TE Part # 4-2176236-4 CPF A 0402 66K5 0.1% 25PPM 5K RL	 TE Part # 2-2176236-3 CPF A 0402 6K8 0.1% 25PPM 5K RL	 TE Part # 2176236-6 CPF A 0402 750R 0.1% 25PPM 5K RL	 TE Part # 4-2176236-6 CPF A 0402 82K 0.1% 25PPM 5K RL
 TE Part # 4-2176236-7 CPF A 0402 84K5 0.1% 25PPM 5K RL	 TE Part # 2-2176236-7 CPF A 0402 11K8 0.1% 25PPM 5K RL	 TE Part # 2-2176236-9 CPF A 0402 15K 0.1% 25PPM 5K RL	 TE Part # 1-2176236-0 CPF A 0402 1K5 0.1% 25PPM 5K RL

Also in the Series | Neohm CPF



Surface Mount Resistors(5842)

Customers Also Bought



TE Part #5745782-4
15 MSFL RCPT RA 318 (IN,FM)



TE Part #G-MRCO-016
KMT 32B TDFN ROHS



TE Part #1879462-1
RL73H 2B R10 1% 5K RL



TE Part #3-1734839-0
FPC CONN. 0.5MM PITCH T/C,30P



TE Part #5-1879208-6
CPF 0402 2K0 0.1% 25PPM 1K RL



TE Part #4-1879208-3
CPF 0402 560R 0.1% 25PPM 1K RL



TE Part #3-1879216-1
CPF0402 130K 0.1% 25PPM 1K RL



TE Part #4-2176305-4
RP 1E 0.1W 301R 0.1% 25PPM 5K RL



TE Part #3-5331677-8
SOCKET,MIN-SPR SN-AU SER-3



TE Part #3-2176305-8
RP 1E 0.1W 261R 0.1% 25PPM 5K RL

Documents

Product Drawings

CPF A 0402 100K 0.1% 25PPM 5K RL

English

Datasheets & Catalog Pages

Automotive Grade Thin Film Chip Resistor - Type CPF-A Series

English