

CPF-A-0603B180KE1 ✓ ACTIVE

TE Internal #: 6-2176216-4

Surface Mount Resistors, Precision Resistor, 2 Terminations, Size Code 0603, Taped & Reeled, .1%, Thin Film, Resistance Range 1k Ω – 1M Ω

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Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Number of Terminations: **2**

Size Code: **0603**

Packaging Method: **Taped & Reeled**

Tolerance: **.1%**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Precision Resistor
Size Code	0603
Element Type	Thin Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Tolerance	.1%
Resistance Range	1k Ω – 1M Ω
Resistance	180K Ω
Power Rating	.063 W

Termination Features

Number of Terminations	2
Termination Type	Solder

Mechanical Attachment

Mount Style	Surface Mount
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Dimensions

Dimensions	1.55 x .8 x .45 mm
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Usage Conditions

Temperature Coefficient	±25 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	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: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Model / Part # 6-2176216-5
CPF A 0603 200K 0.1% 25PPM 1K RL




TE Model / Part # 4-2176217-9
CPF A 0805 10K 0.1% 25PPM 1K RL



TE Model / Part # 5-2176217-6
CPF A 0805 25K 0.1% 25PPM 1K RL

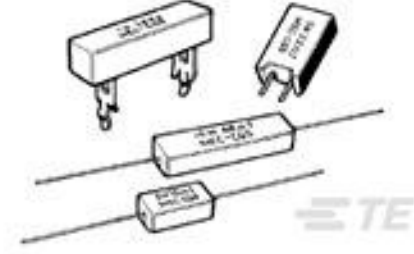


TE Model / Part # 4-2176215-5
CPF A 0402 68K 0.1% 25PPM 1K RL



TE Model / Part # 2-2176237-5
CPF A 0603 680R 0.1% 25PPM 5K RL

Customers Also Bought



TE Model / Part #7-1623795-3
SQP15 33R 5% Wire



TE Model / Part #2118713-2
STD SHIELD COVER, CRS-14.06X13.10X2.00MM



TE Model / Part #84983-9
1mm FFC DIP H ASSY 9P NAT(TB)



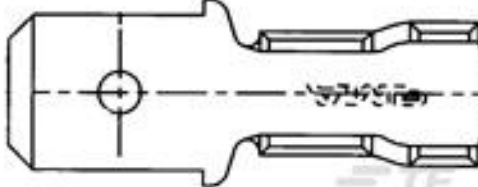
TE Model / Part #6-1879225-8
CPF 0603 226K 0.1% 25PPM 1K RL



TE Model / Part #6-2176216-6
CPF A 0603 220K 0.1% 25PPM 1K RL



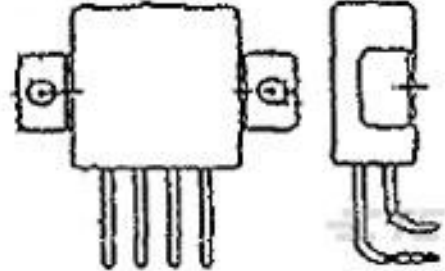
TE Model / Part #8-1879222-2
CPF 0603 147R 0.1% 25PPM 1K RL



TE Model / Part #41778
FASTON 250 (6.3 MM) TAB 18-14 AWG TPBR



TE Model / Part #1624348-2
NTC0805 5% 15K



TE Model / Part #1617789-9
FCA-210-HX1=MIDRANGE RELAY



TE Model / Part #1622698-1
LR2 1% 18K

Documents

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[Datasheets & Catalog Pages](#)

[Automotive Grade Thin Film Chip Resistor - Type CPF-A Series](#)

English