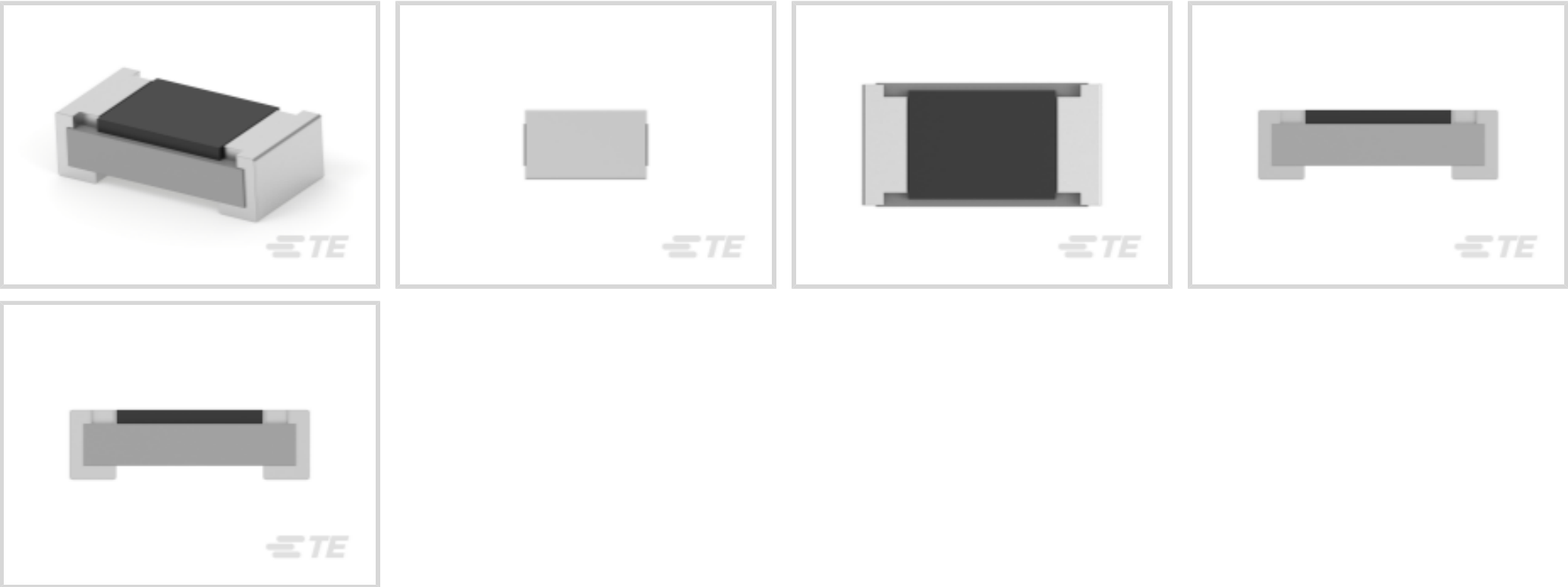




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**
Element Type: **Thin Film**
Package Size Code: **0603**
Power Rating: **.0625 W**
Resistance Value: **27 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	.0625 W
Resistance Value	27 Ω
Resistance Class	Up to 1kΩ
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	Taped & Reeled
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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 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

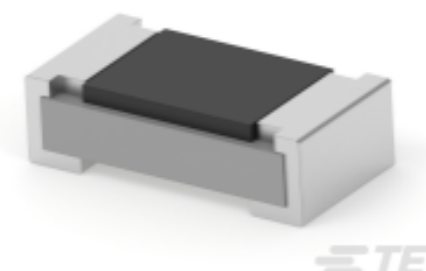
CPF-A-0603B27RE

Surface Mount Precision Resistor, Thin Film, 0603, .0625 W, 27 ohm, .1 %, ±25 ppm/°C, Solder, 2 Terminations, Height .45 mm [.018 in], Neohm CPF

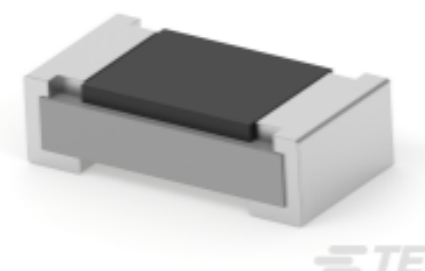


materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest 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

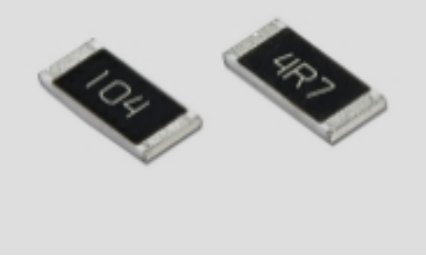


TE Part # 2176237-7
CPF A 0603 30R 0.1% 25PPM 5K RL



TE Part # 2176237-5
CPF A 0603 22R 0.1% 25PPM 5K RL

Also in the Series | Neohm CPF



Surface Mount Resistors(5842)

Customers Also Bought



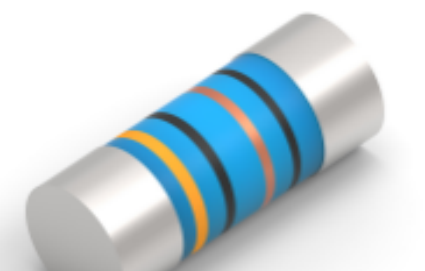
TE Part #1462042-3
IMC06GR=IM RELAY 140mW 12V 1CO



TE Part #1-173977-2
CT CONN MT REC ASSY 12P



TE Part #1986484-2
Plug, 5.08mm, Gn, Ss & WE same side, 2p



TE Part #1-2176315-4
MELF SMA_A 1K2 0.1% 15PPM 0204 0.4W



TE Part #5053092090
RNF-100-1/4-0-STK



TE Part #5-6609107-1
PS0S0DSX0=C1107



TE Part #3-1462000-1
C93416=MT Relay 200 mW 5 V



TE Part #1-1546409-1
ETHERNET RECEPTACL W/PC BOARD



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176237-6_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176237-6_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176237-6_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

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

English