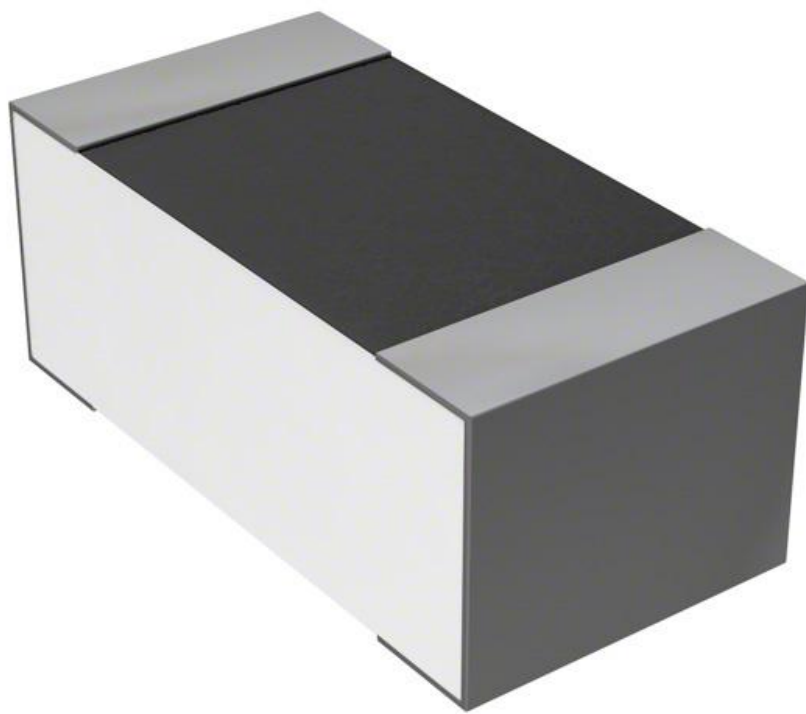


CPF-A-0603B47KE1 Datasheet

www.digi-electronics.com



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	CPF-A-0603B47KE1-DG
Manufacturer	TE Connectivity Passive Product
Manufacturer Product Number	CPF-A-0603B47KE1
Description	RES SMD 47K OHM 0.1% 1/16W 0603
Detailed Description	47 kOhms \pm 0.1% 0.063W, 1/16W Chip Resistor 0603 (1608 Metric) Anti-Sulfur, Automotive AEC-Q200, Moisture Resistant Thin Film

This model CPF-A-0603B47KE1 is available at DiGi Electronics.

DiGi Electronics offers a global database of semiconductor and electronic component datasheets.

We welcome your inquiries regarding pricing, lead time, or other product-related questions.

 [Request a Quote](#)

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Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

CPF-A-0603B47KE1

Series:

CPF-A, Neohm

Resistance:

47 kOhms

Power (Watts):

0.063W, 1/16W

Features:

Anti-Sulfur, Automotive AEC-Q200, Moisture Resistant

Operating Temperature:

-55°C ~ 155°C

Supplier Device Package:

0603

Size / Dimension:

0.061" L x 0.031" W (1.55mm x 0.80mm)

Number of Terminations:

2

Base Product Number:

CPF-A-0603

Manufacturer:

TE Connectivity Passive Product

Product Status:

Active

Tolerance:

±0.1%

Composition:

Thin Film

Temperature Coefficient:

±25ppm/°C

Package / Case:

0603 (1608 Metric)

Ratings:

AEC-Q200

Height - Seated (Max):

0.022" (0.55mm)

Failure Rate:

-

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

Vendor Undefined

HTSUS:

8533.21.0030

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

CPF-A-0603B47KE1 ✓ ACTIVE

Neohm | Neohm CPF

TE Internal #: 5-2176216-4

47K ohm, Surface Mount Precision Resistor, Thin Film, 0603, .063 W, .1 %, ± 25 ppm/ $^{\circ}$ C, Solder, 2 Terminations, .45 mm [.018 in] Height, Neohm CPF

[View on TE.com >](#)



Passive Components > Resistors > Surface Mount Resistors



Resistance Value: **47K Ω**

Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **0603**

Power Rating: **.063 W**

Features

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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Electrical Characteristics

Resistance Value	47K Ω
Power Rating	.063 W
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	.45 mm[.018 in]
Product Length	1.55 mm[.061 in]
Product Width	.8 mm[.031 in]

Usage Conditions



Temperature Coefficient	±25 ppm/°C
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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 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
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 # 5-2176217-6
CPF A 0805 25K 0.1% 25PPM 1K RL



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



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



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



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

Also in the Series | **Neohm CPF**



Surface Mount Resistors(5842)

Customers Also Bought



TE Part #2-2176338-5
CRGCQ 0402 10K 5%



TE Part #2176338-7
CRGCQ 0402 10R 5%



TE Part #1483353-1
MICRO-MATCH LEAD 10P 100MM



TE Part #1565917-4
EMBOSS ASSY DDR2 SODIMM
SOCKET 200P 5.2H



TE Part #165536-1
PIDG POS.LOCK ASSY



TE Part #1-2176338-9
CRGCQ 0402 1K0 5%



TE Part #1-2176338-6
CRGCQ 0402 330R 5%



TE Part #2-2205131-2
CA MINI IO MINI IO TYPE I



Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5-2176216-4_BA.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-2176216-4_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-2176216-4_BA.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

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