



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **General Purpose Resistor**
Element Type: **Carbon Film, Thin Film**
Power Rating: **1 W**
Resistance Class: **Up to 1kΩ**
Resistance Value: **100 Ω**

Features

Product Type Features

Resistor Type	General Purpose Resistor
Element Type	Carbon Film, Thin Film

Configuration Features

Number of Resistors	1
---------------------	---

Electrical Characteristics

Operating Voltage	500 V
Power Rating	1 W
Resistance Class	Up to 1kΩ
Resistance Value	100 Ω
Passive Component Tolerance	5 %

Body Features

Lead Type	Axial-Leaded
-----------	--------------

Termination Features

Termination Area Base Material	Copper
Number of Terminations	2

Dimensions

Passive Component Dimensions	12 x 5 mm
------------------------------	-----------



Usage Conditions

Operating Temperature Range	-55 – 155 °C[-67 – 311 °F]
Temperature Coefficient	-450 – 0 ppm/°C

Packaging Features

Packaging Method	Ammo Packed
------------------	-------------

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	Out of Scope
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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	Wave solder capable to 265°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

CFR100J100R

100 ohm, Carbon Film / Thin Film, General Purpose Resistor, 5 %, 1 W, -450 – 0 ppm/°C, Axial-Leaded, Copper Termination, 12 x 5 mm, NEOHM CFR



TE Part # 1623929-6
CFR200 5% 120R



TE Part # 1623930-2
CFR25 5% 100R



TE Part # 6-1623925-8
CFR100 1K2 2%



TE Part # 2-1623925-7
CFR100 5% 2K2



TE Part # 2-1623928-7
CFR16 5% 47R



TE Part # 2-1623931-9
CFR25 5% 3R9



TE Part # 2-1623930-0
CFR25 5% 15K



TE Part # 1623927-1
CFR16 5% 100K



TE Part # 1623929-3
CFR200 5% 10K



TE Part # 2-1623933-3
CFR50 5% 3M9



TE Part # 2-1623932-9
CFR50 5% 160R



TE Part # 2-1623932-4
CFR50 5% 150R



TE Part # 2-1623929-4
CFR200 5% 27K



TE Part # 2-1623929-5
CFR200 5% 2K2



TE Part # 1-1623930-0
CFR25 5% 120R



TE Part # 1-1623933-9
CFR50 5% 3K9



TE Part # 1-1623925-1
CFR100 5% 15R



TE Part # 1-1623927-3
CFR16 5% 150R



TE Part # 1-1623931-9
CFR25 5% 39R



TE Part # 1-1623928-1
CFR16 5% 390R

Also in the Series | [NEOHM CFR](#)



[Through-Hole Resistors\(378\)](#)

Customers Also Bought



TE Part #1586869-1
[03P UMNL HDR ASSY, GW](#)



TE Part #1586872-1
[04P UMNL HDR ASSY, GW](#)



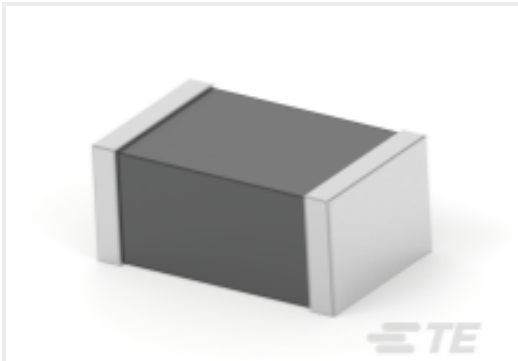
TE Part #4-1623732-1
[BCHE 7 W 4R7 10%](#)



TE Part #1-2176056-2
[RLP73M 2B R030 5% 5K RL](#)



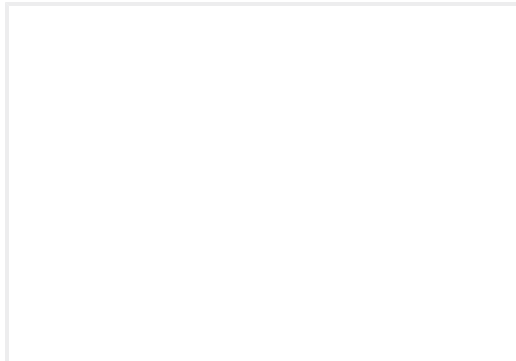
TE Part #4-2176330-2
[CRGP 2010 27K 1%](#)



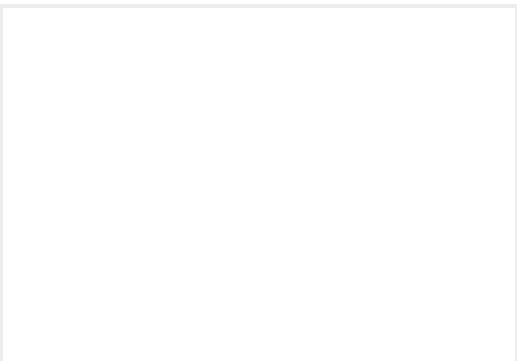
TE Part #2176486-4
[BMC 0805 300R 25% A Gen C](#)



TE Part #2376579-2
[250 FASTON PCB TAB TPBR](#)



TE Part #4-1372335-2
[CUTTING BLADE](#)



TE Part #4-1372335-3
[CUTTING PLATE](#)



TE Part #4-2331712-1
[2POS,PCON21,HDR ASSY,COD A](#)

Documents

Product Drawings

[CFR100 5% 100R](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1623925-2_BA.2d_dxf.zip](#)

English

[3D PDF](#)

CFR100J100R

100 ohm, Carbon Film / Thin Film, General Purpose Resistor, 5 %, 1 W, -450 – 0 ppm/°C, Axial-Leaded, Copper Termination, 12 x 5 mm, NEOHM CFR



3D

Customer View Model

[ENG_CVM_CVM_1623925-2_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1623925-2_BA.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1309350_PASSIVE_COMPONENT](#)

English

[Ceramic Film Fixed Resistors - Type CFR Series - Tyco Electronics Passives](#)

English