CFR100J680R ✔ ACTIVE

NEOHM | NEOHM CFR

TE Internal #: 4-1623925-7

680 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

View on TE.com >

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: **680 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	680 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	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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



TE Part # 1623930-3
CFR25 5% 10K



TE Part # 1623927-8
CFR16 5% 120R



TE Part # 1623932-8
CFR50 5% 10K



TE Part # 2-1623929-2
CFR200 5% 22K



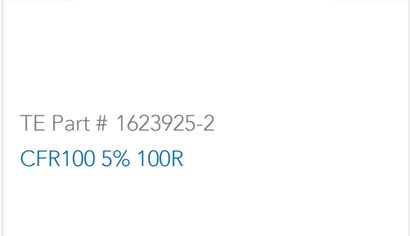
TE Part # 1623925-2
CFR100 5% 100R

Also in the Series | NEOHM CFR



Through-Hole Resistors(378)

Customers Also Bought



TE Part #5039924004
SRFR-2.9/1.7-8-SP

TE Part #254417-E
SMCQ 40 M AB VV 8-23 CL * H007 137 E005

TE Part #234834-E
SRCA 2,54 2 M 1 SMD 137 E1 167 * GURT *

TE Part #5-1879071-2
THS50 1K0 5%

TE Part #170279-1
2 DIA PIN LANCE-LESS

TE Part #170280-1
2 DIA PIN RECP LANCE-LESS ASSY

TE Part #172199-1
ECONOSEAL-J CONN CAP 2P NATURA

TE Part #172202-1
ECONOSEAL-J CONN CAP 3P NTRL



TE Part #2-2141272-1
2POS, MIXED,HEADER ASSY,CODA



TE Part #4-2331712-1
2POS,PCON21,HDR ASSY,COD A

Documents

Product Drawings

CFR100 5% 680R

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-1623925-7_BA.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-1623925-7_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-1623925-7_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