



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **General Purpose Resistor**

Passive Component Dimensions: **6.8 x 2.5 mm**

Number of Terminations: **2**

Packaging Method: **Ammo Packed**

Passive Component Tolerance: **5 %**

Features

Product Type Features

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

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	250 V
Passive Component Tolerance	5 %
Resistance Class	Up to 1k Ω
Resistance Value	82 Ω
Power Rating	.33 W

Body Features

Passive Component Lead Type	Axial-Leaded
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Termination Features

Number of Terminations	2
Passive Component Termination Material Type	Tinned Copper Leads

Dimensions

Passive Component Dimensions	6.8 x 2.5 mm
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Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	-1200 – 0 ppm/°C

Packaging Features

Packaging Method	Ammo Packed
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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 2023 (235) Candidate List Declared Against: JUL 2021 (219) 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

CFR25J82R

82 Ω , Carbon Film / Thin Film, General Purpose Resistor, 5 %, 6.8 x 2.5 mm, 2 Termination, Ammo Packed, .33 W, -1200 – 0 ppm/°C, Neohm CFR



TE Part # 1623930-3
CFR25 5% 10K

TE Part # 1623927-8
CFR16 5% 120R

TE Part # 1623932-8
CFR50 5% 10K

TE Part # 1623925-2
CFR100 5% 100R

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

TE Part # 1-1623931-5
CFR25 5% 390K

TE Part # 5-1623931-4
CFR25 5% 5M6

TE Part # 5-1623931-6
CFR25 5% 5R6

TE Part # 6-1623931-7
CFR25 5% 6M8

TE Part # 7-1623931-8
CFR25 5% 82K

TE Part # 8-1623931-3
CFR25 5% 8M2

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

[Through-Hole Resistors\(379\)](#)

Customers Also Bought

TE Part #2-1622820-5
SMD Power Resistor: 1 Watt, 3520 Series

TE Part #1-1622825-8
RL73K 3A R27 5% 1K RL

TE Part #4-1879021-3
SMW3 5R6 5%

TE Part #1624009-2
SC30-10-2513-10 1UH AMMO 1000

CFR25J82R

82 Ω, Carbon Film / Thin Film, General Purpose Resistor, 5 %, 6.8 x 2.5 mm, 2 Termination, Ammo Packed, .33 W, -1200 – 0 ppm/°C, Neohm CFR



TE Part #1-1623819-4
[SBL4 R051 5%](#)

TE Part #1623128-1
[CRG0805 1% 18K](#)

TE Part #1623747-9
[ER74 18R 5% AMMO PK](#)

TE Part #1-1623730-0
[BCHE 4 W 22R 5%](#)

TE Part #1624031-1
[SC30-10-2535-10 68UH AMMO 1000](#)

Documents

Product Drawings

[CFR25 5% 82R](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_7-1623931-9_BA.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_7-1623931-9_BA.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7-1623931-9_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