

# C102R2JL ✓ ACTIVE

CGS | CGS C

TE Internal #: 1-1623773-9

2.2 ohm, Wire Wound, Power Resistor, 5 %, 10 W,  $\pm 90$  ppm/ $^{\circ}$ C, Axial-Leaded, Copper Termination, 38.1 x 8.5 mm, Loose Piece - Tray, 2 Terminations, CGS C

[View on TE.com >](#)



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Element Type: **Wire Wound**

Power Rating: **10 W**

Resistance Class: **Up to 1k $\Omega$**

Resistance Value: **2.2  $\Omega$**

## Features

### Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Operating Voltage	500 V
Power Rating	10 W
Resistance Class	Up to 1k $\Omega$
Resistance Value	2.2 $\Omega$
Passive Component Tolerance	5 %

### Body Features

Lead Type	Axial-Leaded
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### Termination Features

Termination Area Base Material	Copper
Number of Terminations	2

### Dimensions

Passive Component Dimensions	38.1 x 8.5 mm
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### Usage Conditions

Temperature Coefficient	$\pm 90$ ppm/ $^{\circ}$ C
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### Packaging Features

Packaging Method	Loose Piece - Tray
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2023 (235) 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 $^{\circ}$ 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 # 1623774-1  
C14 180R 2% (LOOSE)



TE Part # 1-1623772-8  
C7 1R0 5% AMMO PK

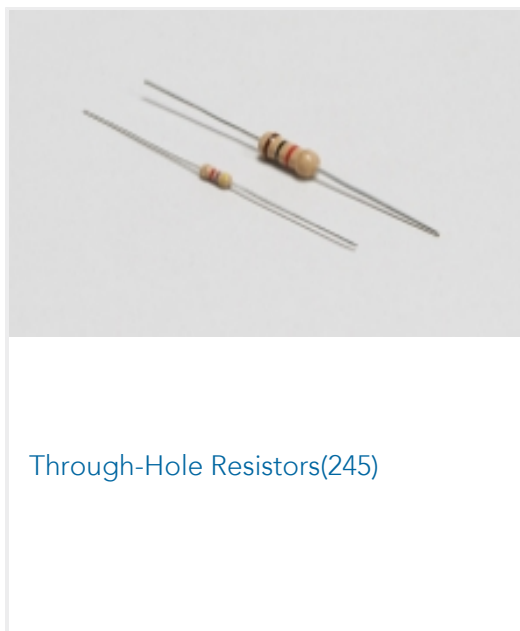


TE Part # 1623771-5  
C3A 10R 5% AMMO PK



TE Part # 1623773-8  
C10 10K 5% (LOOSE)

### Also in the Series | CGS C



Through-Hole Resistors(245)

### Customers Also Bought



TE Part #CAT-PE4-F5060  
dv/dt Filter - Output Filter for Motor Drive Protection



TE Part #280372-2  
6P AMPMODU II SHRD HDR, ST, 0.38 AU



TE Part #3-640426-5  
05P MTA156 CONN ASSY 18AWG ORA



TE Part #1-1564518-1  
10POS, MIXED,TAB HSG,ASSY



TE Part #2-1623773-9  
C10 680R 5% (LOOSE)



TE Part #3-1623933-4  
CFR50 5% 4K7



TE Part #1-2385466-1  
22POS,HYBRID,REC HSG ASSY,SLD, COD A



TE Part #5535070-5  
ASSY,RECEPTACLE,EUROCARD,TYPE



TE Part #4-1437142-1  
FSN-22A-20=NOMEX FS STD



## Documents

### Product Drawings

[C10 2R2 5% \(LOOSE\)](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1623773-9\\_BA.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1623773-9\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1623773-9\\_BA.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[4-1773460-6\\_RESISTIVE\\_SOLUTIONS\\_RAIL](#)

English

[1309350\\_PASSIVE\\_COMPONENT](#)

English

[High Power Resistors - Type C Series - Tyco Electronics Passives](#)

English

[8-1773459-4\\_POWER\\_FILTERING\\_AND\\_RESISTIVE\\_SOLUTIONS\\_FOR\\_ELEVATORS\\_AND\\_ESCALATORS](#)

English