



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Element Type: **Wire Wound**

Power Rating: **3 W**

Resistance Class: **1k Ω - 1M Ω**

Resistance Value: **6.8K Ω**

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	200 V
Power Rating	3 W
Resistance Class	1k Ω - 1M Ω
Resistance Value	6.8K Ω
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	13 x 5.7 mm
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Usage Conditions

Temperature Coefficient	± 200 ppm/ $^{\circ}\text{C}$
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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 with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JUNE 2023 (235) 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 $^{\circ}\text{C}$

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



TE Part # 1623774-1
C14 180R 2% (LOOSE)



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



TE Part # 7-1623771-0
C3A 180R 5% AMMO PK

C3A6K8JT

Power Resistor, Wire Wound, 3 W, 6.8K Ω , 5 %, ± 200 ppm/ $^{\circ}\text{C}$, Axial-Leaded, Copper Termination, 13 x 5.7 mm, Ammo Packed, 2 Termination, CGS C



TE Part # 1-1623772-8

C7 1R0 5% AMMO PK

Also in the Series | CGS C

Through-Hole Resistors(288)

Customers Also Bought

TE Part # 2-1879461-5

RL73H 2A R13 1% 1K RL

TE Part # 2-2329328-0

PB OFF/ON HC BLU M4 TERM. IP68

TE Part # 2329359-9

PB ON/OFF HC GRE M1 TERM IP68 500MM LHS

TE Part # 1-1625893-3

5W SM M/OX 2% 22R

TE Part # 9-2176415-0

8W STD M/OX 5% 150K

TE Part # 9-2176415-1

8W STD M/OX 5% 160K

TE Part # 1-2176391-0

RQ 1206 15K4 0.1% 10PPM 5K RL

TE Part # 3954384002

CGPE-105-1/2-0-SP

TE Part # 20014203-12

PRESS XDCR M325M-000005-250PG

TE Part # 2-2176455-5

CPF 0402 7R5 0.1% 25ppm 1K RL



Documents

Product Drawings

C3A 6K8 5% AMMO PK

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-1623771-6_BA.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-1623771-6_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-1623771-6_BA.3d_stp.zip

English

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

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