



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**

Element Type: **Carbon Composition**

Power Rating: **.25 W**

Resistance Class: **1k Ω - 1M Ω**

Resistance Value: **100K Ω**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Carbon Composition

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	250 V
Power Rating	.25 W
Resistance Class	1k Ω - 1M Ω
Resistance Value	100K Ω
Passive Component Tolerance	10 %

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	6.3 x 2.4 mm
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Usage Conditions

Operating Temperature Range	-55 - 125 °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
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 1-1625876-7
CBT 1/2 5% 1R0



TE Part # 3-1625875-1
CBT 1/4 5% 3R3



TE Part # 2-1625876-9
CBT 1/2 5% 100R

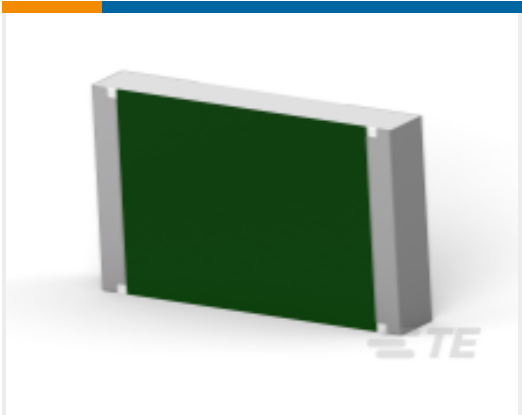


TE Part # 1625875-5
CBT 1/4 5% 100R



TE Part # 1-1625875-2
CBT 1/4 5% 1K0

Customers Also Bought



TE Part # 9-2176400-7
3540 10K 1%



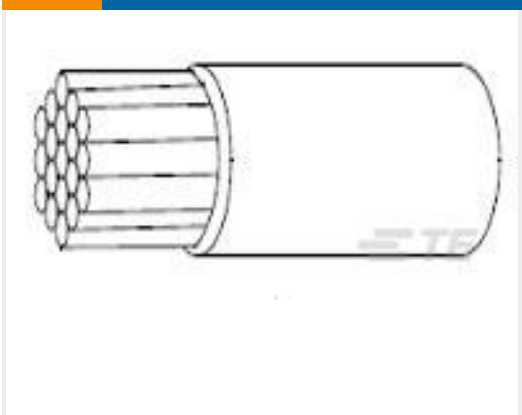
TE Part # 1-1625876-6
CBT 1/2 10% 680R



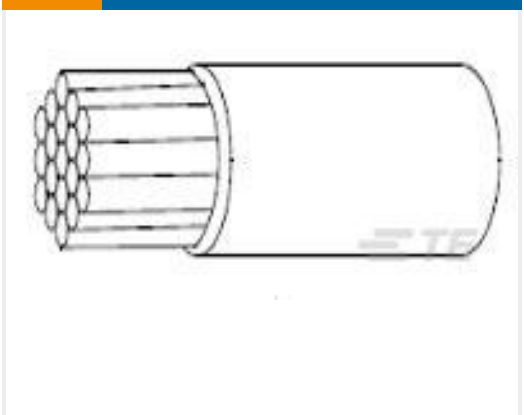
TE Part # 2820003010
44A0111-16-0



TE Part # 2820203012
44A0111-20-0



TE Part # 457006-001
22759/32-22-7



TE Part # 112317-001
22759/32-22-8



TE Part # 2820023007
44A0111-16-2



TE Part # 4-1625875-7
CBT 1/4 10% 220K

Documents

Product Drawings

CBT 1/4 10% 100K

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-1625875-4_A.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_4-1625875-4_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-1625875-4_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[4-1773460-6_RESISTIVE_SOLUTIONS_RAIL](#)

English

[1309350_PASSIVE_COMPONENT](#)

English

[Carbon Composition Resistors - Type CBT Series](#)

English

[8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS](#)

English