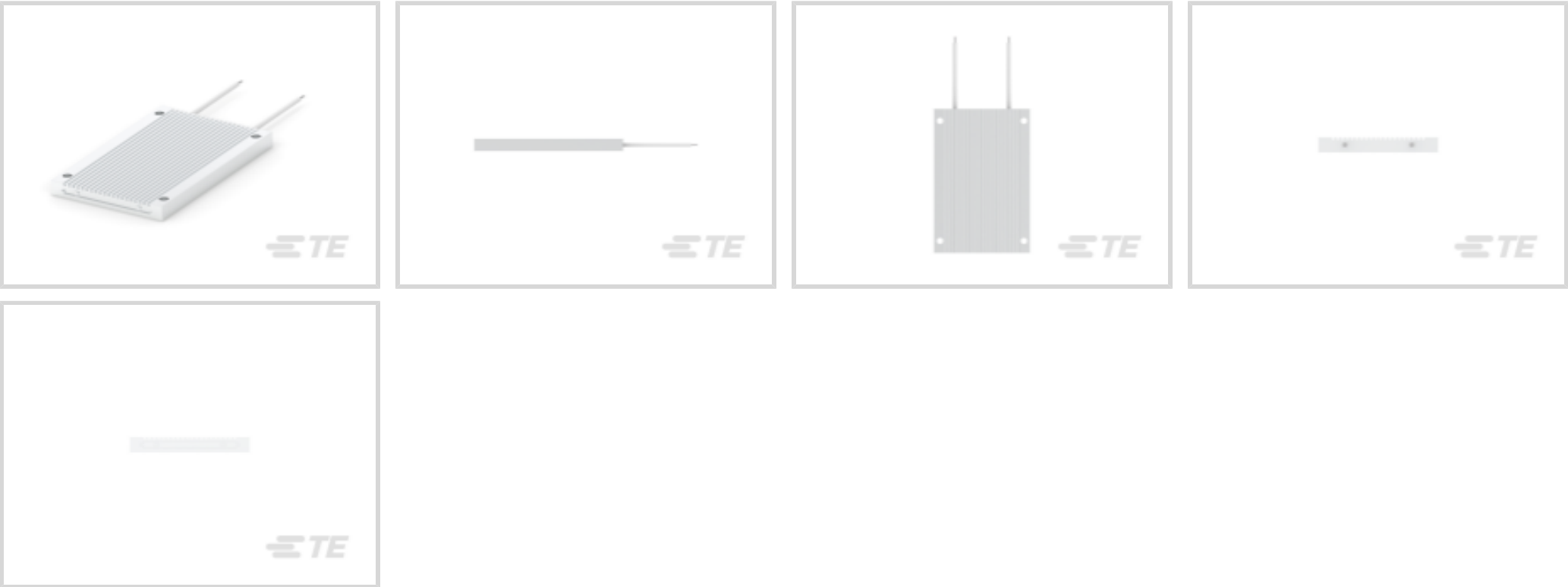




Passive Components > Resistors > Chassis Mount Resistors



Resistor Type: **Power Resistor**
Resistance Class: **Up to 1kΩ**
Resistance Value: **6.8 Ω**
Power Rating: **500 W**
Element Type: **Wire Wound**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Resistance Class	Up to 1kΩ
Resistance Value	6.8 Ω
Power Rating	500 W
Passive Component Tolerance	5 %

Termination Features

Number of Terminations	2
Chassis Mount Resistor Termination Type	Flying Leads

Mechanical Attachment

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Panel Mount Feature Type	Flange with Mounting Holes
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Dimensions

Product Height	10 mm[.394 in]
Product Length	330 mm[12.992 in]
Product Width	80 mm[3.149 in]

Usage Conditions

Operating Temperature Range	-25 – 250 °C
Temperature Coefficient	±260 ppm/°C

Packaging Features

Packaging Method	Loose Piece - Box
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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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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	Hand solderable with lead free solder

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

TJT5006R8J

6.8 ohm Chassis Mount Resistor, 500 W, Wire Wound, 2 Terminations, ±260 ppm/°C, 5 %, Flying Leads, Loose Piece - Box, 10 mm [.394 in] Height, CGS TJT



TE Part # 1-2176250-2
TJT 500W 68R 5%

TE Part # 1-2176250-3
TJT 500W 100R 5%

Also in the Series | CGS TJT

Chassis Mount Resistors(59)

Customers Also Bought

TE Part #1-1879446-7
TE 150W 22R 5% Bracket

TE Part #140717-2
110 FASTON,REC.,22-18 AWG,PTBR

TE Part #130663
PIDG RING NYL

TE Part #7-520366-2
ULTRAFAST 110 ASSY REC 26-22
TPBR LP

TE Part #GA10K3A1IA
DISCRETE 10K OHMS, +/-0.1C FROM
0C TO 70C

TE Part #CAT-C339-H85913
Power Resistors: Aluminum Housed,
HSA

TE Part #1757823-7
AMPLIMITE,ASY,PLUG,STD,90,ZN,1,CT

TE Part #1478768-1
ANTI-VIB NYLON GLD 12MM GREY

TE Part #1478768-2
ANTI-VIB NYLON GLD 16MM GREY



Documents

Product Drawings

TJT 500W 6R8 5%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176250-6_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176250-6_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176250-6_BA.3d_stp.zip

English

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

Datasheets & Catalog Pages

TJT-0715

English

ALUMINIUM ENCLOSED POWER RESISTORS - Type TJT Series

English