# TJT500680RJ ✔ ACTIVE

CGS | CGS TJT

TE Internal #: 1-2176250-8

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

View on TE.com >

Passive Components > Resistors > Chassis Mount Resistors







Resistor Type: **Power Resistor**

Resistance Class: **Up to 1kΩ**

Resistance Value: **680 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 |

### Electrical Characteristics

| | |
|---|---|
| Resistance Class | Up to 1kΩ |
| Resistance Value | 680 Ω |
| Power Rating | 500 W |
| Passive Component Tolerance | 5 % |

### Termination Features

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|---|---|
| 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 |

### Dimensions

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|---|---|
| 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[-13 – 482 °F] |
| Temperature Coefficient | ±260 ppm/°C |

### Packaging Features

| | |
|---|---|
| Packaging Method | Loose Piece - Box |

## 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 | Hand solderable with lead free solder |

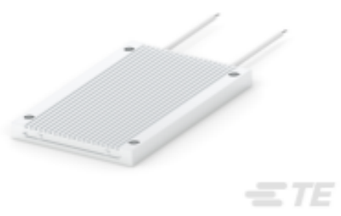
Product Compliance Disclaimer

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

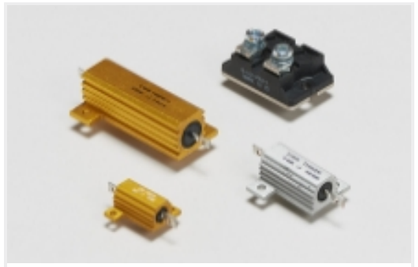


TE Part # 1-2176250-2
TJT 500W 68R 5%



TE Part # 2176250-5
TJT 500W 4R7 5%

## Also in the Series | CGS TJT



Chassis Mount Resistors(59)

## Customers Also Bought



TE Part #1-102387-3
44 MOD IV HSG COMP DR .100 POL



TE Part #1-917659-6
DYNAMIC 3200 D/ROW REC HSG 12P



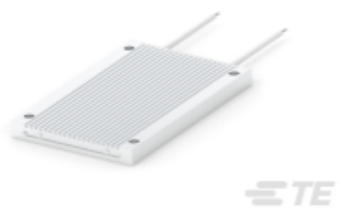
TE Part #1-1456426-5
4POS, MCON 1.2 CB REC 2p TL SEALED



TE Part #1658677-1
HDP-22,OVRMLD,PLUG KIT,SIZE 3,




TE Part #2176058-1
RLP73V 3A R010 5% 2K RL



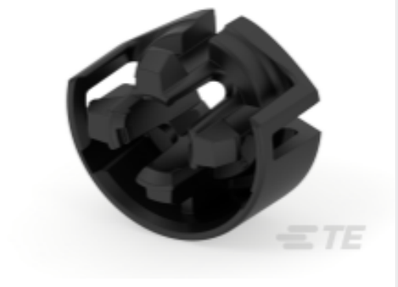
TE Part #1-2176248-5
TJT 250W 220R 5%



TE Part #2-2349177-2
DIA 4MM,PIN TERMINAL,FAM SLD,CB

TE Part #1-2371035-1
2POS,DIA 4MM,SOC HSG ASSY,SLD, COD A

TE Part #2371242-1
CU ALLOY,INNER FERRULE,ICT CVE



TE Part #2371245-1
SOC CONN CVR,3POS,DIA 4MM,ICT CVE

## Documents

### Product Drawings

TJT 500W 680R 5%

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176250-8_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176250-8_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176250-8_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