TJT5006R8J ✔ ACTIVE

CGS | CGS TJT

TE Internal #: 2176250-6

6.8 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: **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

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

Panel Mount Feature Type	Flange with Mounting Holes

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[-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) Candidate List Declared Against: JUNE 2025 (250) 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

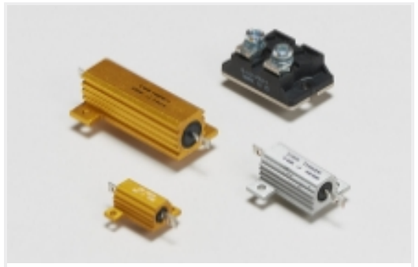


TE Part # 1-2176250-3
TJT 500W 100R 5%



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

Also in the Series | CGS TJT



Chassis Mount Resistors(59)

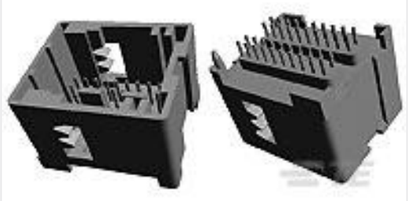
Customers Also Bought



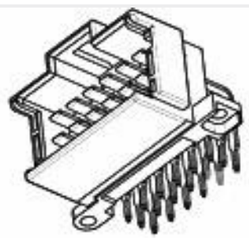
TE Part #1-178313-3
DYNAMIC D3100 HDR V 3P ASSY PdNI & Au



TE Part #3-794627-4
04P MICRO MNL ASSY,RA ,SMT, LF



TE Part #953118-1
40pos MQS .63 header 180deg



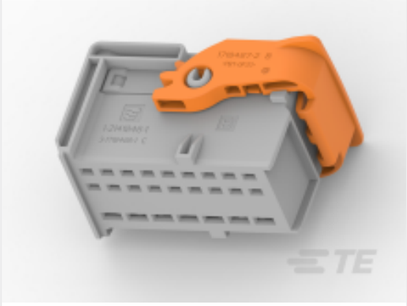
TE Part #966140-5
MESSERLEISTE 6P



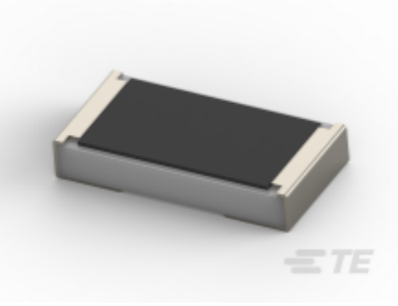
TE Part #1-968853-1
AMP MCP 2.8, CONTACT



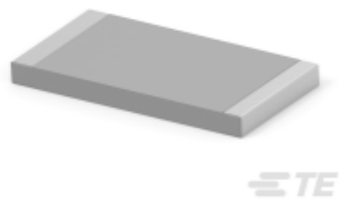
TE Part #1718488-1
AMP MCP 2.8 RECEPT HSG 7 POS



TE Part #1-2141846-2
CARRIER,RECEPTACLE HSG, 25POS, ASSY



TE Part #CAT-C339-A76B
SMD Power Resistor: 3 Watt, 1% Tol



TE Part #3-2176331-9
CRGP 2512 15K 1%

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