TE500B680RJ ✔ ACTIVE

CGS | CGS TE

TE Internal #: 3-1879450-5

680 ohm, Wire Wound, 5 %, Power Resistor, 500 W, 2 Terminations, ±440 ppm/°C, Solder Lug, Loose Piece - Box, 101 mm [3.976 in] Height, CGS TE

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Passive Components > Resistors > Chassis Mount Resistors > Wirewound Resistor: Mineral, 2.5 Kw



Resistor Type: **Power Resistor**

Resistance Class: **Up to 1kΩ**

Resistance Value: **680 Ω**

Power Rating: **500 W**

Element Type: **Wire Wound**

All Wirewound Resistor: Mineral, 2.5 Kw (607)

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Wire Wound

Configuration Features

Number of Resistors	1

Electrical Characteristics

Operating Voltage	2500 V
Resistance Class	Up to 1kΩ
Resistance Value	680 Ω
Power Rating	500 W
Passive Component Tolerance	5 %

Termination Features

Number of Terminations	2
Chassis Mount Resistor Termination Type	Solder Lug

Mechanical Attachment

Panel Mount Feature Type	Mounting Brackets

Dimensions

Product Height	101 mm[3.976 in]
Product Length	360 mm[14.173 in]
Product Width	50 mm[1.969 in]

Usage Conditions

Operating Temperature Range	-55 – 155 °C[-67 – 311 °F]
Temperature Coefficient	±440 ppm/°C

Packaging Features

Packaging Method	Loose Piece - Box

Product Compliance

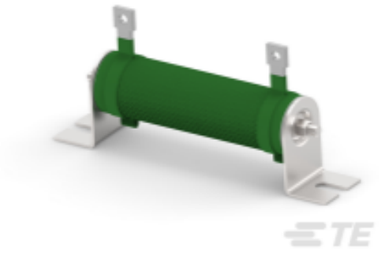
For compliance documentation, visit the product page on TE.com>

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	Not applicable for solder process capability

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 # CAT-C339-T2201
Wirewound Resistor: Mineral, 2.5 Kw

Also in the Series | CGS TE

Chassis Mount Resistors(667)

RJ14 Connectors(4)

RJ22 Connectors(2)

RJ25 Connectors(4)



RJ45 Connectors(23)

Customers Also Bought



TE Part #5054422013
RNF-100-1/8-5-STK



TE Part #CAT-HST-RNF100-0
RNF-100-0 Heat Shrink Tubing



TE Part #6-1623746-9
ER74 R05 10% AMMO PK



TE Part #3-1879450-6
TE 500W 820R 5% Bracket

Documents

Product Drawings

TE 500W 680R 5% Bracket

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1879450-5_BB.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-1879450-5_BB.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1879450-5_BB.3d_stp.zip

English

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Datasheets & Catalog Pages

4-1773460-6_RESISTIVE_SOLUTIONS_RAIL

English

1309350_PASSIVE_COMPONENT

English

High Power Wire wound Resistor Type TE Series

English

8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS

English