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VE500100RJS ✔ ACTIVE

CGS | CGS VE

TE Internal #: 1-2176729-4

100 ohm Chassis Mount Resistor, 500 W, Wire Wound, 2 Terminations, ±120 ppm/°C, 5 %, Solder Lug, Box, 33.3 mm [1.311 in] Height, CGS VE

View on TE.com >

Passive Components > Resistors > Chassis Mount Resistors



Resistor Type: **Power Resistor**

Resistance Class: **Up to 1kΩ**

Resistance Value: **100 Ω**

Power Rating: **500 W**

Element Type: **Wire Wound**

Features

Usage Conditions

Operating Temperature Range	-55 – 300 °C
Temperature Coefficient	±120 ppm/°C

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	100 Ω
Power Rating	500 W
Passive Component Tolerance	5 %

Termination Features

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Number of Terminations	2
Chassis Mount Resistor Termination Type	Solder Lug

Mechanical Attachment

Panel Mount Feature Type	Mounting Brackets

Dimensions

Product Height	33.3 mm[1.311 in]
Product Length	304.8 mm[12 in]
Product Width	33.3 mm[1.311 in]

Packaging Features

Packaging Method	Box

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

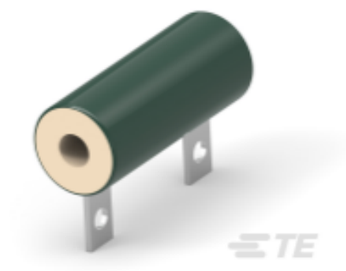
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for

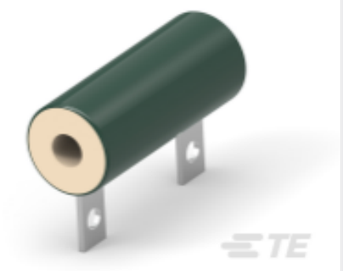
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substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 1-2176729-3
VE 500W 82R 5% Solder Lug



TE Part # 1-2176729-5
VE 500W 120R 5% Solder Lug

Also in the Series | CGS VE

Chassis Mount Resistors(435)

Documents

Product Drawings

VE 500W 100R 5% Solder Lug

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176729-4_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176729-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176729-4_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

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Datasheets & Catalog Pages

Vitreous Enamel Coated Power Resistor

English

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