



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Power Resistor**
Element Type: **Metal Oxide Film**
Power Rating: **3 W**
Resistance Class: **1k Ω - 1M Ω**
Resistance Value: **6.8K Ω**

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Metal Oxide Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	350 V
Power Rating	3 W
Resistance Class	1k Ω - 1M Ω
Resistance Value	6.8K Ω
Passive Component Tolerance	5 %

Body Features

Lead Type	Axial-Leaded
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Termination Features

Termination Area Base Material	Copper
Number of Terminations	2

Dimensions

Passive Component Dimensions	15 x 5 mm
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Usage Conditions

Operating Temperature Range	-55 - 155 $^{\circ}\text{C}$
Temperature Coefficient	± 300 ppm/ $^{\circ}\text{C}$

Packaging Features

Packaging Method	Ammo Packed
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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 2024 (240) Candidate List Declared Against: JUNE 2023 (235) 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	Wave solder capable to 265 $^{\circ}\text{C}$

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

RSS3W6K8JTB

Power Resistor, Metal Oxide Film, 3 W, 6.8K Ω , 5 %, ± 300 ppm/ $^{\circ}\text{C}$, Axial-Leaded, Copper Termination, 15 x 5 mm, Ammo Packed, 2 Termination, CGS RSS



TE Part # 3-1624246-8
RSS3 560R 5% AMMO PK

TE Part # 1624246-5
RSS3 12K 5% AMMO PK

TE Part # 1-1624246-4
RSS3 1K2 5% AMMO PK

TE Part # 4-1624246-9
RSS3 8K2 5% AMMO PK

TE Part # 1879004-5
RSS7 33K 5% LOOSE

Also in the Series | CGS RSS

Connector Hardware(1)

Duct Seals(4)

PCMCIA Connectors(1)

Surface Mount Resistors(1)

Through-Hole Resistors(68)

Customers Also Bought

TE Part # 1586162-1
03P UMNL PIN HDR 94VO NDH

TE Part # 2-5179230-4
0.8FH,P06H.5,100,08/Sn,TU,SC

TE Part # 3-1419136-9
RT31LA06

TE Part # 1-5406721-4
MJ,RJ45,SMT,BLACK,13" REEL,30 Au



TE Part # 1586163-1
04P UMML PIN HDR 94VO NDH

TE Part # 2-796638-9
3POS 5.08MM CE R/A HDR, TRM BLK, 30 AU

TE Part # 7-1415539-4
PE013012

TE Part # 4-1393239-9
RT184024

TE Part # 1630880-6
FSQ5 2R2 5%

Documents

Product Drawings
RSS3 6K8 5% AMMO PK

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_4-1624246-6_BA.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_4-1624246-6_BA.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_4-1624246-6_BA.3d_stp.zip

English

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

Datasheets & Catalog Pages
1309350_PASSIVE_COMPONENT

English

High Voltage Resistors - Type RSS Series - Tyco Electronics Passives

English