



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

Element Type: **Thick Metal Film**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Power Resistor
Element Type	Thick Metal Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	300 V
Passive Component Tolerance	1 %
Resistance Class	1kΩ – 1MΩ
Resistance Value	6.8K Ω
Power Rating	6 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder



Usage Conditions

Temperature Coefficient	±100 ppm/°C
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Packaging Features

Packaging Method	Taped & Reeled
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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	Reflow solder capable to 260°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



TE Part # 3-2176406-1
3560 18R 1%

TE Part # 3-2176406-2
3560 20R 1%

TE Part # 8-2176406-0
3560 2K0 1%

TE Part # 8-2176406-3
3560 2K7 1%

TE Part # 4-2176406-1
3560 47R 1%

Also in the Series | CGS 3560

Surface Mount Resistors(254)

Customers Also Bought

TE Part #9-1625971-5
HSA25 R01 10%

TE Part #2337238-3
TACT MINI GW 5.2X5.2X2 160GF

TE Part #3-2176307-2
RP 1E 0.1W 26K1 0.1% 25PPM 5K RL

TE Part #7-2176305-3
RP 1E 0.1W 604R 0.1% 25PPM 5K RL

TE Part #2-2176392-9
RQ 1206 261K 0.1% 10PPM 5K RL

TE Part #1-1879353-9
RR02 5% 24K AMMO

TE Part #7-1879354-5
RR03 5% 390R AMMO

TE Part #1-830611-0
LGH 1/2 SNGL MLD END



Documents

Product Drawings

[3560 6K8 1%](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_9-2176406-3_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_9-2176406-3_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_9-2176406-3_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[SMD HIGH POWER RESISTORS - TYPE 3660 SERIES](#)

English