



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**
Element Type: **Thick Metal Film**
Power Rating: **5 W**
Resistance Value: **12 Ω**
Resistance Class: **Up to 1kΩ**

Features

Product Type Features

| | |
|---------------|------------------|
| Resistor Type | Power Resistor |
| Element Type | Thick Metal Film |

Configuration Features

| | |
|---------------------|---|
| Number of Resistors | 1 |
|---------------------|---|

Electrical Characteristics

| | |
|-----------------------------|-----------|
| Operating Voltage | 300 V |
| Power Rating | 5 W |
| Resistance Value | 12 Ω |
| Resistance Class | Up to 1kΩ |
| Passive Component Tolerance | 5 % |

Termination Features

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|---|--------|
| Surface Mount Resistor Termination Type | Solder |
| Number of Terminations | 2 |



Dimensions

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|----------------|-----------------|
| Product Height | 1.1 mm[.043 in] |
| Product Length | 11 mm[.433 in] |
| Product Width | 5 mm[.197 in] |

Usage Conditions

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|-------------------------|-------------|
| Temperature Coefficient | ±100 ppm/°C |
|-------------------------|-------------|

Packaging Features

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|------------------|----------------|
| Packaging Method | Taped & Reeled |
|------------------|----------------|

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 2024 (241) 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 | 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 # 3-2176403-1
3550 18R 1%

TE Part # 3-2176403-2
3550 20R 1%

TE Part # 8-2176403-0
3550 2K0 1%

TE Part # 8-2176403-3
3550 2K7 1%

TE Part # 4-2176403-1
3550 47R 1%

Also in the Series | CGS 3550

Surface Mount Resistors(254)

Customers Also Bought

TE Part #5100147-1
Z-PACK/A RAF 110P

TE Part #1-2176070-9
SMD Power Resistor: 2 Watt, 3521 Series

TE Part #1-2176231-6
3522 43R 1% 3W

TE Part #1623804-4
SQZ10 4R7 5% WIRE

TE Part #5-192046-9
LAV,.006, MIL GOLD

TE Part #8-2176404-3
3550 10R 5%

TE Part #8-2176404-5
3550 15R 5%

TE Part #5223513-2
2MMFB,IS,ASY,048,SIG,HDR,SL



Documents

Product Drawings

3550 12R 5%

English

CAD Files

3D PDF

3D

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

Datasheets & Catalog Pages

SMD HIGH POWER RESISTORS - TYPE 3550 SERIES

English