



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	Up to 1kΩ
Resistance Value	510 Ω
Power Rating	5 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder



Usage Conditions

Temperature Coefficient	± 100 ppm/ $^{\circ}\text{C}$
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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>

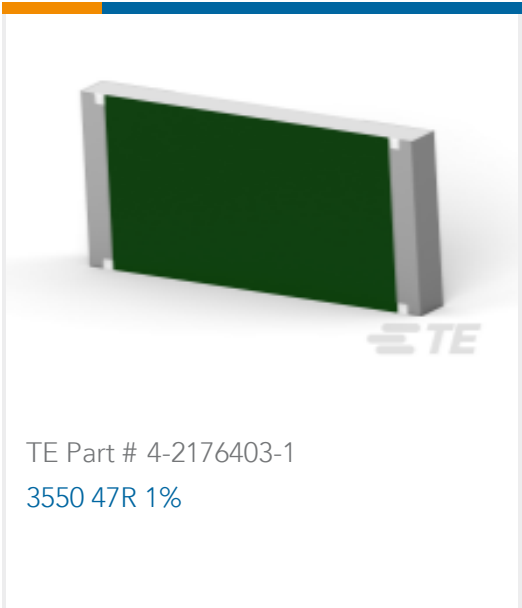
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: 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 $^{\circ}\text{C}$

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

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

Also in the Series | CGS 3550



Surface Mount Resistors(254)

Customers Also Bought



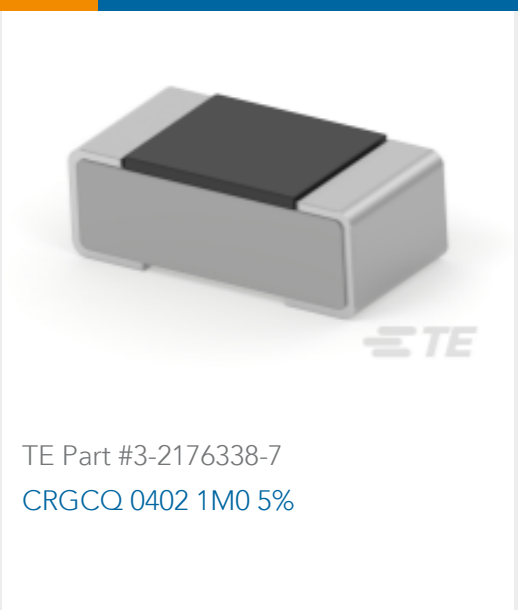
TE Part #T4070014041-001
M8.MLE.PNLREAR.4POS.STR WIRE



TE Part #1-1634009-0
MMCX Str PCB Skt 50Ohm Gold Pl



TE Part #1622826-4
CRG0402 5% 10K



TE Part #3-2176338-7
CRGCQ 0402 1M0 5%



TE Part #2-2176325-5
CRGP 0402 1K0 1%



TE Part #T4010008041-000
M8,SCREW, FEMALE,S,UNSHIELD,4P, GOLD



TE Part #2822354-1
070 TYPE RUBBER PLUG



TE Part #176153-2
EIS POST HDR ASSY H 2P GOLD



TE Part #2176325-1
CRGP 0402 10R 1%



TE Part #6-1437139-7
FSN-21A-10=NOMEX FS STD



Documents

Product Drawings

3550 510R 1%

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-2176403-6_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-2176403-6_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-2176403-6_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 3550 SERIES

English