

352168RFT ✓ ACTIVE

CGS | CGS 3521

TE Internal #: 2-2176070-1

68 Ω , Thick Film, Power Resistor, 1 %, 2 Termination, 2512, Taped & Reeled, 2 W, ± 100 ppm/ $^{\circ}\text{C}$, Solder, 6.35 x 3.2 x .55 mm, CGS 3521

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Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 2 Watt, 3521 Series



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Package Size Code: **2512**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **1 %**

[All SMD Power Resistor: 2 Watt, 3521 Series \(121\)](#)

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Power Resistor
Package Size Code	2512
Element Type	Thick Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	250 V
Passive Component Tolerance	1 %
Resistance Class	Up to 1k Ω
Resistance Value	68 Ω
Power Rating	2 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Dimensions

Passive Component Dimensions	6.35 x 3.2 x .55 mm
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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	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) 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 $^{\circ}\text{C}$

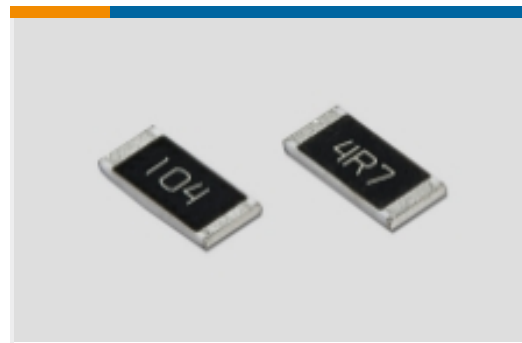
Product Compliance Disclaimer

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

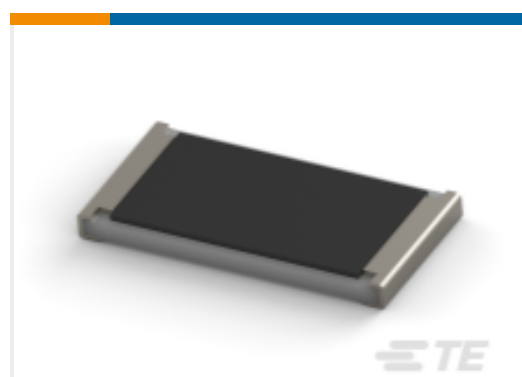


Also in the Series | CGS 3521



Surface Mount Resistors(124)

Customers Also Bought



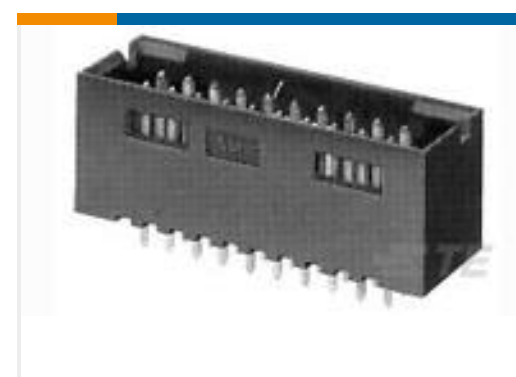
TE Part #4-2176070-4
SMD Power Resistor: 2 Watt, 3521 Series



TE Part #4-1734742-0
.5 FPC VT ZIF Type-A 40 CONT



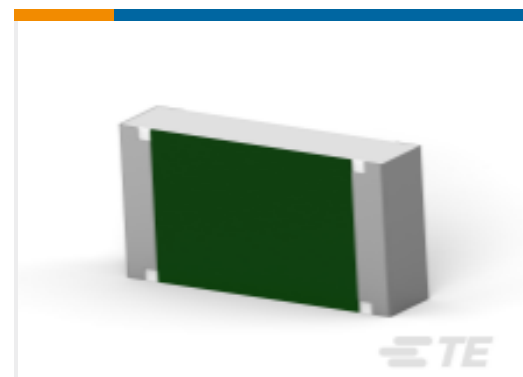
TE Part #1-2308345-1
FULL METAL HOODS SIZE 4



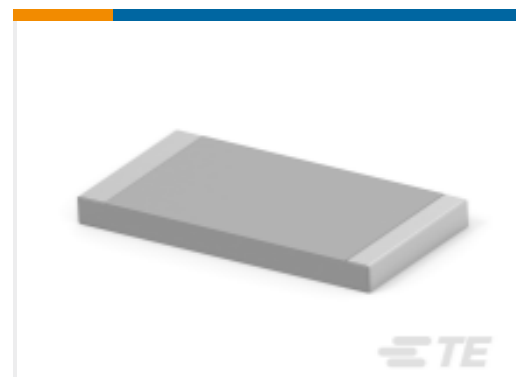
TE Part #5-103169-7
18 MODII HDR DRST SHRD .100CL



TE Part #1625890-9
2W SM M/OX 5% 12K



TE Part #9-2176397-2
3502 6K2 1%



TE Part #4-2176331-7
CRGP 2512 68K 1%



TE Part #826953-3
MOD-2 PIN HDR.2X03P

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-2176070-1_BB.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2176070-1_BB.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2176070-1_BB.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

352168RFT

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 ± 100 ppm/ $^{\circ}\text{C}$, Solder, 6.35 x 3.2 x .55 mm, CGS 3521



SMD Power Resistor - Type 3521 Series

English

Product Environmental Compliance

[MD_2-2176070-1_05172017027_dmtec](#)

English

[MD_2-2176070-1_05172017027_dmtec](#)

English