



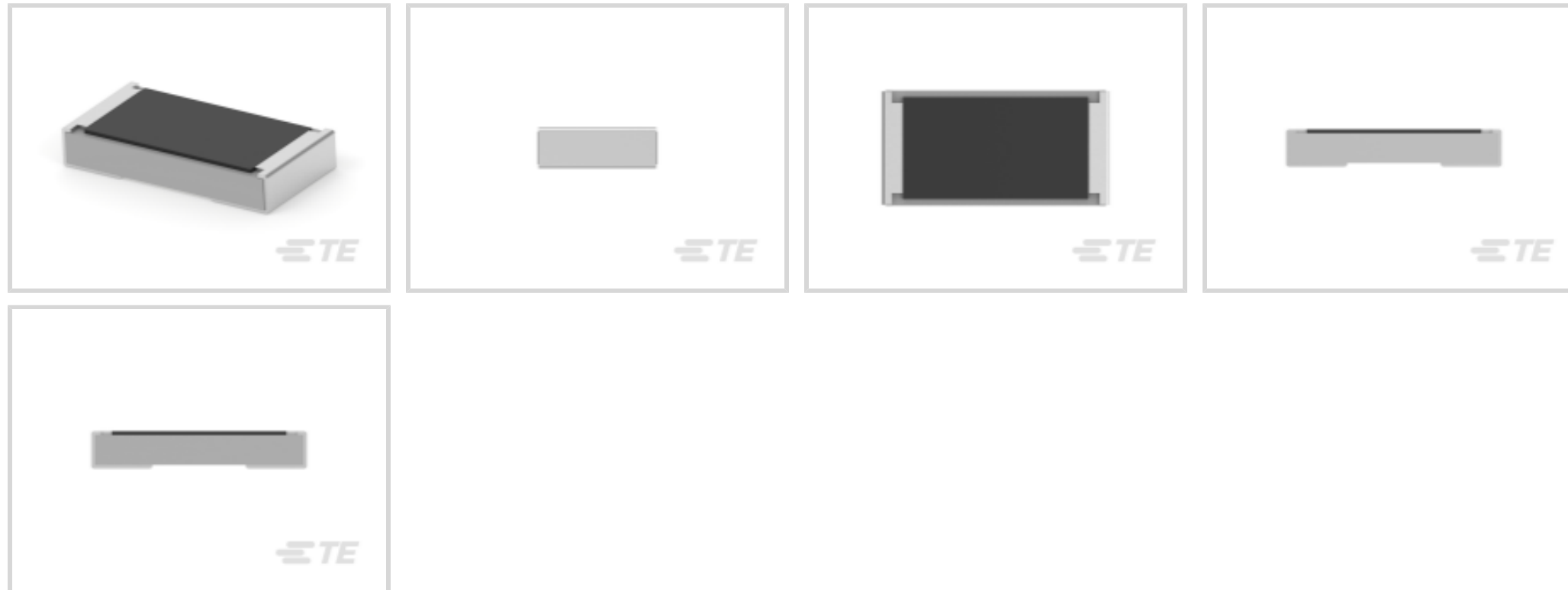
CGS | CGS 3522

TE Internal #: 6-2176230-3

120K  $\Omega$ , Thick Film, Power Resistor, 5 %, 2 Termination, 2512, Taped & Reeled, 3 W,  $\pm 100$  ppm/ $^{\circ}\text{C}$ , Solder, Height .043 in [1.1 mm], CGS 3522

[View on TE.com >](#)

Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Package Size Code: **2512**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **5 %**

## Features

### Product Type Features

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

### Configuration Features

Number of Resistors	1
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### Electrical Characteristics

Passive Component Tolerance	5 %
Resistance Class	1k $\Omega$ – 1M $\Omega$
Resistance Value	120K $\Omega$
Power Rating	3 W

### Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder



### Dimensions

Product Height	1.1 mm[.043 in]
Product Length	6.35 mm[.25 in]
Product Width	3.2 mm[.126 in]

### Usage Conditions

Temperature Coefficient	$\pm 100$ 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: JUL 2021 (219) 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 # CAT-C339-A76B  
SMD Power Resistor: 3 Watt, 1% Tol



TE Part # 4-2176230-2  
3522 2K2 5% 3W

### Also in the Series | CGS 3522



Surface Mount Resistors(211)

### Customers Also Bought



TE Part #5499913-9  
A/L UNIV HDR 40P RA SHT LAT



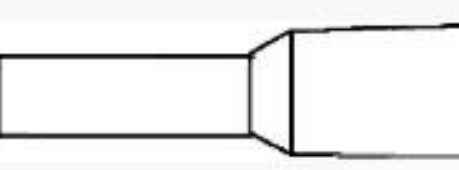
TE Part #6-2176230-1  
3522 82K 5% 3W



TE Part #1658622-9  
40 NOVO MIL/CTR 30DP, LEAD FREE



TE Part #1622866-1  
CRG0603 1% 1K0



TE Part #2-966067-2  
FER, WIRE, PL SLV, 6.00/10, L12, YELLOW, LP



TE Part #1622827-1  
CRG0603 1% 100K



TE Part #6-2176230-0  
3522 68K 5% 3W



TE Part #7-2176230-0  
3522 470K 5% 3W



TE Part #1618387-3  
LEV200A4ANA=RELAY, SPST-NO



## Documents

### Product Drawings

[3522 120K 5% 3W](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6-2176230-3\\_BA.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6-2176230-3\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6-2176230-3\\_BA.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[SMD POWER RESISTORS - TYPE 3522 SERIES](#)

English