



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**  
Element Type: **Thin Film**  
Package Size Code: **2512**  
Power Rating: **6 W**  
Resistance Value: **23.2K  $\Omega$**

Features

Product Type Features

|                   |                |
|-------------------|----------------|
| Resistor Type     | Power Resistor |
| Element Type      | Thin Film      |
| Package Size Code | 2512           |

Configuration Features

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

Electrical Characteristics

|                             |                           |
|-----------------------------|---------------------------|
| Operating Voltage           | 100 V                     |
| Power Rating                | 6 W                       |
| Resistance Value            | 23.2K $\Omega$            |
| Resistance Class            | 1k $\Omega$ - 1M $\Omega$ |
| Passive Component Tolerance | 1 %                       |

Termination Features

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



Dimensions

|                |                 |
|----------------|-----------------|
| Product Height | .43 mm[.017 in] |
| Product Length | 6.3 mm[.248 in] |
| Product Width  | 3.1 mm[.122 in] |

Usage Conditions

|                             |                                  |
|-----------------------------|----------------------------------|
| Operating Temperature Range | -55 - 155 $^{\circ}\text{C}$     |
| Temperature Coefficient     | $\pm 50$ ppm/ $^{\circ}\text{C}$ |

Packaging Features

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

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                     |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                     |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                       |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                        |
| 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

3504G3A23K2FTDF

Power Resistor, Thin Film, 2512, 6 W, 23.2K  $\Omega$ , 1 %,  $\pm 50$  ppm/ $^{\circ}\text{C}$ , Solder, 2 Termination, Height .017 in [.43 mm], Length .248 in [6.3 mm], CGS 3504



TE Part # 5-2176534-8  
3504G 3A 23K2 1% 4K RL

Also in the Series | CGS 3504

Surface Mount Resistors(534)

Customers Also Bought

TE Part # 3-640440-2  
02P MTA100 CONN ASSY 22AWG RED

TE Part # 1-1879447-8  
TE 200W 27R 5% Bracket

TE Part # 770673-1  
UMNL SOK 30-26 PTPBR L/P

TE Part # 350720-1  
09P UMNL PLUG HSG

TE Part # 1-1393225-7  
RY611005

TE Part # 2205178-1  
FSN-22A-20

Documents

Product Drawings  
3504G 3A 23K2 1% 1K RL

English

CAD Files  
Customer View Model  
ENG\_CVM\_CVM\_5-2176531-8\_A.3d\_igs.zip

3504G3A23K2FTDF

Power Resistor, Thin Film, 2512, 6 W, 23.2K  $\Omega$ , 1 %,  $\pm 50$  ppm/ $^{\circ}\text{C}$ , Solder, 2 Termination, Height .017 in [.43 mm], Length .248 in [6.3 mm], CGS 3504



English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2176531-8\\_A.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2176531-8\\_A.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

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**Datasheets & Catalog Pages**

[1773270-5](#)

English