



Passive Components > Resistors > Surface Mount Resistors > SMD Power Resistor: 3 Watt, 5% Tol



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Package Size Code: **2512**

Packaging Method: **Taped & Reeled**

Passive Component Tolerance: **5 %**

[All SMD Power Resistor: 3 Watt, 5% Tol \(37\)](#)

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 |
|---------------------|---|

Electrical Characteristics

|                             |                           |
|-----------------------------|---------------------------|
| Passive Component Tolerance | 5 %                       |
| Resistance Class            | 1k $\Omega$ – 1M $\Omega$ |
| Resistance Value            | 47K $\Omega$              |
| Power Rating                | 3 W                       |

Termination Features

|                        |   |
|------------------------|---|
| Number of Terminations | 2 |
|------------------------|---|



Surface Mount Resistor Termination TypeSolder

Dimensions

|                              |                     |
|------------------------------|---------------------|
| Passive Component Dimensions | 6.35 x 3.2 x .55 mm |
|------------------------------|---------------------|

Usage Conditions

|                         |                                   |
|-------------------------|-----------------------------------|
| Temperature Coefficient | $\pm 100$ 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 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)<br>Candidate List Declared Against: JUL 2021 (219)<br>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

352247KJT

47K  $\Omega$ , Thick Film, Power Resistor, 5 %, 2 Termination, 2512, Taped & Reeled, 3 W,  $\pm 100$  ppm/ $^{\circ}\text{C}$ , Solder, 6.35 x 3.2 x .55 mm, CGS 3522



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 #2-1393250-7  
W28-XQ1A-12=W28

TE Part #350833-1  
04P UMNL HDR ASSY PC 94VO

TE Part #1775855-1  
Modular Jack RJ45 stacked over USB

TE Part #63391-1  
093 FASTON TAB REC 22-18 AWG TPBR

TE Part #4-2176397-6  
3502 75R 1%

TE Part #7574444009  
RAYRIM-NR8-0-SP

TE Part #7755894002  
MT2000-1.0-X-SP

TE Part #3793914001  
MT3000-3/32-0-SP

Documents

Product Drawings

3522 47K 5% 3W

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_5-2176230-8\_BA.2d\_dxf.zip

352247KJT

47K  $\Omega$ , Thick Film, Power Resistor, 5 %, 2 Termination, 2512, Taped & Reeled, 3 W,  $\pm 100$  ppm/ $^{\circ}\text{C}$ , Solder, 6.35 x 3.2 x .55 mm, CGS 3522



English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2176230-8\\_BA.3d\\_igs.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-2176230-8\\_BA.3d\\_stp.zip](#)

English

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

**Datasheets & Catalog Pages**

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

English