



Passive Components > Resistors > Fixed Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**

Number of Terminations: **2**

Size Code: **2512**

Packaging Method: **Taped & Reeled**

Tolerance: **1%**

Features

Product Type Features

|               |                |
|---------------|----------------|
| Product Type  | Fixed Resistor |
| Resistor Type | Power Resistor |
| Size Code     | 2512           |
| Element Type  | Thick Film     |

Configuration Features

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

Electrical Characteristics

|                  |              |
|------------------|--------------|
| Tolerance        | 1%           |
| Resistance Range | <1K $\Omega$ |
| Resistance       | 100 $\Omega$ |
| Power Rating     | 3 W          |

Termination Features

|                        |        |
|------------------------|--------|
| Number of Terminations | 2      |
| Termination Type       | Solder |

Mechanical Attachment

|             |               |
|-------------|---------------|
| Mount Style | Surface Mount |
|-------------|---------------|

Dimensions

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

Usage Conditions



|                         |             |
|-------------------------|-------------|
| Temperature Coefficient | ±100 ppm/°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: JAN 2019 (197)<br>Candidate List Declared Against: JAN 2019 (197) |
| 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°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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

3522 100R 1% 3W

TE Part # 2-2176231-5  
TE Internal #: 3522100RFT



TE Part # 2176231-5  
3522 15R 1% 3W



TE Part # 2176230-2  
3522 1R0 5% 3W



TE Part # 2-2176230-7  
3522 120R 5% 3W

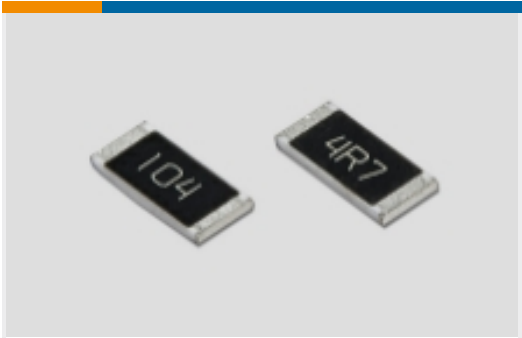


TE Part # 2176230-1  
3522 0R0 5% 3W



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

Also in the Series | CGS 3522



Surface Mount Resistors  
(207)

Customers Also Bought



TE Part #50935  
SOCKET,MIN-SPR AU-AU  
SER-1



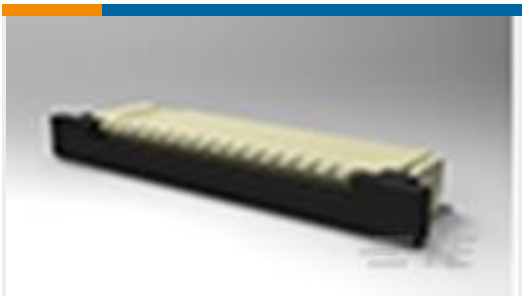
TE Part #1-84953-5  
1MM FPC HORZ.TOP  
CONT.ASSY 15P



TE Part #1-2295018-2  
USB TYPE C, REC OFFSET  
0.65MM DUAL SMT



TE Part #3-2176231-2  
3522 200R 1% 3W



TE Part #1-84953-1  
1MM FPC HORZ.TOP  
CONT.ASSY 11P



TE Part #2176231-1  
3522 10R 1% 3W



TE Part #1-2176231-8  
3522 51R 1% 3W



TE Part #3-1879026-2  
YR1 0.1% 20R



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-2176231-5\_BA.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2176231-5\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2176231-5\_BA.3d\_stp.zip

English

Datasheets & Catalog Pages

SMD POWER RESISTORS - TYPE 3522 SERIES

English

Product Environmental Compliance

TE Material Declaration

English