



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Power Resistor**  
Element Type: **Thin Film**  
Package Size Code: **1206**  
Power Rating: **2 W**  
Resistance Value: **140 Ω**

Features

Product Type Features

|                   |                |
|-------------------|----------------|
| Resistor Type     | Power Resistor |
| Element Type      | Thin Film      |
| Package Size Code | 1206           |

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Operating Voltage           | 100 V     |
| Power Rating                | 2 W       |
| Resistance Value            | 140 Ω     |
| Resistance Class            | Up to 1kΩ |
| 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 | 3.05 mm[.12 in]  |
| Product Width  | 1.55 mm[.061 in] |

Usage Conditions

|                             |              |
|-----------------------------|--------------|
| Operating Temperature Range | -55 – 155 °C |
| Temperature Coefficient     | ±50 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                                                                                                                       |
| 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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°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

3503G2B140RFTD

Power Resistor, Thin Film, 1206, 2 W, 140 ohm, 1 %, ±50 ppm/°C, Solder, 2 Termination, Height .43 mm [.017 in], Length 3.05 mm [.12 in], CGS 3503



TE Part # 4-2176523-3  
3503G 2B 140R 1% 1K RL

Also in the Series | CGS 3503

Surface Mount Resistors(534)

Customers Also Bought

TE Part #3-640443-2  
02P MTA100 CONN ASSY GRN

TE Part #104257-2  
03 MTE RCPT HSG SR LATCH .100

TE Part #104257-3  
04 MTE RCPT HSG SR LATCH .100

TE Part #104257-1  
02 MTE RCPT HSG SR LATCH .100

TE Part #1-104480-2  
SHORT POINT CONT 15 DPLX STMPD LF

TE Part #1-104480-5  
SHORT POINT RCP CONT LP

TE Part #2317656-9  
AV25 SPM 3A MOVING RING BLUE 12V

TE Part #NB19392001  
RNF-100-3/16-BK-STK

TE Part #4-2176581-0  
RLC73PW 2B R143 1% 5K RL

TE Part #5053042176  
RNF-100-3/16-BK-STK





Documents

Product Drawings

3503G 2B 140R 1% 5K RL

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_4-2176526-3\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-2176526-3\_A.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-2176526-3\_A.2d\_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

Aluminium Nitride Thin Film Power Resistor - Type 3503 Series

English