



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Element Type: **Thin Film**

Package Size Code: **1206**

Power Rating: **.4 W**

Resistance Value: **16.9  $\Omega$**

Features

Product Type Features

|                   |                    |
|-------------------|--------------------|
| Shelf Life        | 2 Years            |
| Resistor Type     | Precision Resistor |
| Element Type      | Thin Film          |
| Package Size Code | 1206               |

Configuration Features

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

Electrical Characteristics

|                             |                   |
|-----------------------------|-------------------|
| Operating Voltage           | 200 V             |
| Power Rating                | .4 W              |
| Resistance Value            | 16.9 $\Omega$     |
| Resistance Class            | Up to 1k $\Omega$ |
| Passive Component Tolerance | .1 %              |

Termination Features

|                                         |        |
|-----------------------------------------|--------|
| Surface Mount Resistor Termination Type | Solder |
|-----------------------------------------|--------|



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

Dimensions

|                |                  |
|----------------|------------------|
| Product Height | .55 mm[.022 in]  |
| Product Length | 3.05 mm[.12 in]  |
| Product Width  | 1.55 mm[.061 in] |

Usage Conditions

|                         |            |
|-------------------------|------------|
| Temperature Coefficient | ±10 ppm/°C |
|-------------------------|------------|

Industry Standards

|                            |                    |
|----------------------------|--------------------|
| Moisture Sensitivity Level | 1                  |
| ESD HBM Classification     | 1C                 |
| Industry Standard          | AEC-Q200 Compliant |

Packaging Features

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

Other

|                           |                                         |
|---------------------------|-----------------------------------------|
| Passive Component Comment | Shelf Life Based on Date of Manufacture |
|---------------------------|-----------------------------------------|

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 2023 (235)<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°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 # 2176372-6  
RQ 0603 56K2 0.1% 10PPM 5K RL

TE Part # 2176371-8  
RQ 0603 5K49 0.1% 10PPM 5K RL

TE Part # 3-2176382-0  
RQ 0805 267K 0.1% 10PPM 5K RL

TE Part # 3-2176389-4  
RQ 1206 237R 0.1% 10PPM 5K RL

TE Part # 4-2176391-2  
RQ 1206 33K2 0.1% 10PPM 5K RL

TE Part # 2-2176383-3  
RQ 1206 16R9 0.1% 10PPM 1K RL

Also in the Series | Holsworthy RQ73

Surface Mount Resistors(3078)

Customers Also Bought

TE Part #T4040034031-000  
M8.MLE.PNLREAR.3POS.STR  
PCBSHLD

TE Part #7-1415074-1  
PT2S7LB2

TE Part #2-1623774-3  
C14 1R5 5% (LOOSE)

TE Part #8-1462039-3  
IM03DTS=IM RELAY 140mW 5V





TE Part #3-2176388-1  
RQ 1206 20R5 0.1% 10PPM 5K RL

TE Part #3-2176388-0  
RQ 1206 20R 0.1% 10PPM 5K RL

TE Part #1-1879354-2  
RR03 5% R91 AMMO

TE Part #5-2176482-2  
RA73F 2A 174R 0.1% 5K RL

TE Part #5-2176482-8  
RA73F 2A 200R 0.1% 5K RL

TE Part #2-2176422-6  
TLRP 2512 3.0W R030 1% 25PPM 4K RL

Documents

Product Drawings

RQ 1206 16R9 0.1% 10PPM 5K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-2176388-3\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2176388-3\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-2176388-3\_B.3d\_stp.zip

English

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

Datasheets & Catalog Pages

SMD Thin Film Precision Resistors - AEC-Q200 Compliant - Type RQ73 Series

English