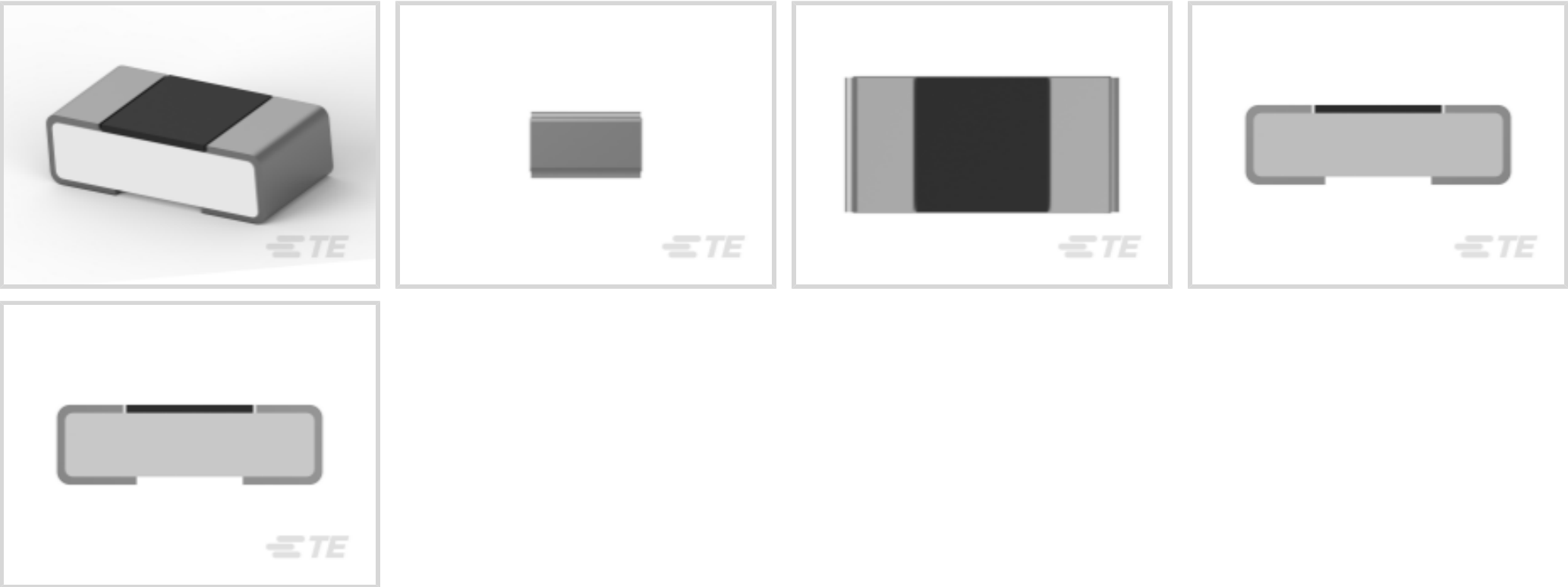




Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**  
Element Type: **Thin Film**  
Package Size Code: **0402**  
Power Rating: **.0625 W**  
Resistance Value: **221 Ω**

Features

Product Type Features

|                   |                    |
|-------------------|--------------------|
| Shelf Life        | 2 Years            |
| Resistor Type     | Precision Resistor |
| Element Type      | Thin Film          |
| Package Size Code | 0402               |

Configuration Features

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

Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Operating Voltage           | 50 V      |
| Power Rating                | .0625 W   |
| Resistance Value            | 221 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 | .3 mm[.012 in] |
| Product Length | 1 mm[.039 in]  |
| Product Width  | .5 mm[.02 in]  |

Usage Conditions

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

Industry Standards

|                            |                    |
|----------------------------|--------------------|
| Moisture Sensitivity Level | 1                  |
| ESD HBM Classification     | 0                  |
| 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 # 7-2176359-2  
RQ 0402 221R 0.1% 10PPM 1K RL

Also in the Series | Holsworthy RQ73

Surface Mount Resistors(3078)

Customers Also Bought

TE Part #5173279-3  
MINI MITE PLUG ASSY 50P (V)

TE Part #2102772-1  
DC, 7Row, Half Left End, MULTIGIG RT 2R

TE Part #2-1879213-8  
CPF 0402 49R9 0.1% 25PPM 1K RL

TE Part #1-2176308-5  
RP 1E 0.1W 187K 0.1% 25PPM 5K RL



TE Part #1-2176308-6  
RP 1E 0.1W 191K 0.1% 25PPM 5K RL

TE Part #6-2176370-5  
RQ 0603 2K0 0.1% 10PPM 5K RL

TE Part #NB17264001  
RP-4800-NO.10-0-SP

TE Part #2102771-1  
DC, 7Row, Center, MULTIGIG RT 2R

TE Part #6-1879135-1  
RN 0603 4R99 0.1% 10PPM 5K RL

TE Part #1589335-2  
335-0004-02 = HARDWARE

Documents

Product Drawings

RQ 0402 221R 0.1% 10PPM 5K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_7-2176362-2\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_7-2176362-2\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_7-2176362-2\_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