



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**
Number of Terminations: **2**
Package Size Code: **0805**
Packaging Method: **Taped & Reeled**
Passive Component Tolerance: **.1 %**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Precision Resistor
Package Size Code	0805
Element Type	Thin Film

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Voltage Rating	100 V
Passive Component Tolerance	.1 %
Resistance Class	Up to 1k Ω
Resistance Value	82.5 Ω
Power Rating	.2 W

Termination Features

Number of Terminations	2
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Surface Mount Resistor Termination Type	Solder
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Dimensions

Passive Component Dimensions	2 x 1.25 x .5 mm
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Usage Conditions

Temperature Coefficient	±10 ppm/°C
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Packaging Features

Packaging Method	Taped & Reeled
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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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

RQ73C2A82R5BTD

82.5 Ω , Thin Film, Precision Resistor, .1 %, 2 Termination, 0805, Taped & Reeled, .2 W, ± 10 ppm/ $^{\circ}\text{C}$, Solder, 2 x 1.25 x .5 mm, Holsworthy RQ73



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

Also in the Series | Holsworthy RQ73

Surface Mount Resistors(3078)

Customers Also Bought

TE Part #8-188275-6
MICRO-MATCH SMD FTE

TE Part #5-1393243-2
RT424F05

TE Part #1-643071-2
12P MTA156 FD-THRU COVER

TE Part #643071-8
08P MTA156 FD-THRU COVER

TE Part #8-2176371-5
RQ 0603 34K8 0.1% 10PPM 5K RL

TE Part #2176379-7
RQ 0805 124R 0.1% 10PPM 5K RL

TE Part #1-776087-1
23POS,PIN DIA 1.3,HDR ASSY,90DEG, COD 1

TE Part #3-644466-6
06P MTA156 CONN ASSY 20AWG YEL COD 1



Documents

Product Drawings

RQ 0805 82R5 0.1% 10PPM 5K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-2176378-9_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-2176378-9_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-2176378-9_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