

RN73C2A8K25BTDF

✓ ACTIVE

Holsworthy | Holsworthy RN73

TE Internal #: 1676456-2

8.25K ohm, Surface Mount Precision Resistor, Thin Film, 0805, .1 W, .1 %, ±10 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, Holsworthy RN73

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Passive Components > Resistors > Surface Mount Resistors



Resistance Value: 8.25K  $\Omega$

Resistor Type: Precision Resistor

Element Type: Thin Film

Package Size Code: 0805

Power Rating: .1 W

Features

Product Type Features

|                   |                    |
|-------------------|--------------------|
| Resistor Type     | Precision Resistor |
| Element Type      | Thin Film          |
| Package Size Code | 0805               |

Configuration Features

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

Electrical Characteristics

|                             |                           |
|-----------------------------|---------------------------|
| Operating Voltage           | 100 V                     |
| Resistance Value            | 8.25K $\Omega$            |
| Power Rating                | .1 W                      |
| Resistance Class            | 1k $\Omega$ – 1M $\Omega$ |
| 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 | 2 mm[.079 in]   |



|               |                  |
|---------------|------------------|
| Product Width | 1.25 mm[.049 in] |
|---------------|------------------|

Usage Conditions

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

Industry Standards

|                            |   |
|----------------------------|---|
| Moisture Sensitivity Level | 1 |
|----------------------------|---|

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                   | Out of Scope                                                                                                                  |
| 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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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

RN73C2A8K25BTDF

8.25K ohm, Surface Mount Precision Resistor, Thin Film, 0805, .1 W, .1 %, ±10 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, Holsworthy RN73



TE Part # 1-1676142-3  
RN 0805 100K 0.01% 10PPM 5K RL

TE Part # 1614349-9  
RN 0603 10K 0.1% 10PPM CUT LENGTH

TE Part # 1676153-2  
RN 0805 10K 0.1% 10PPM 1KRL

TE Part # 1676153-3  
RN 0805 10K 0.1% 10PPM 5KRL

TE Part # 8-1879130-4  
RN 0402 5K11 0.1% 10PPM 5K RL

Also in the Series | [Holsworthy RN73](#)

[Surface Mount Resistors\(3641\)](#)

Customers Also Bought

TE Part #1676142-2  
RN 0805 100K 0.1% 10PPM 1KRL

TE Part #1-215307-2  
2X12P HV100 REC CON. TE, 7.0MM

TE Part #7-1879278-3  
RP 2A 49K9 0.1% 15PPM CUT LENGTH

TE Part #1676472-2  
RN 0805 9K09 0.1% 10PPM 1KRL

TE Part #1676395-2  
RN 0805 619R 0.1% 10PPM 1KRL

TE Part #1676282-2  
RN 0805 2K0 0.1% 10PPM 1KRL

TE Part #1676368-2  
RN 0805 52K3 0.1% 10PPM 1KRL

TE Part #1676167-2  
RN 0805 121R 0.1% 10PPM 1KRL



Documents

Product Drawings

RN 0805 8K25 0.1% 10PPM 1KRL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1676456-2\_BC.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1676456-2\_BC.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1676456-2\_BC.3d\_stp.zip

English

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

Datasheets & Catalog Pages

1309350\_PASSIVE\_COMPONENT

English

8-1773459-4\_POWER\_FILTERING\_AND\_RESISTIVE\_SOLUTIONS\_FOR\_ELEVATORS\_AND\_ESCALATORS

English

High Precision Resistors (SMD) - Type RN73 Series - Tyco Electronics Passives

English