



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: **Precision Resistor**

Number of Terminations: **2**

Surface Mount Resistor Size Code: **0402**

Surface Mount Resistor Packaging Method: **Taped & Reeled**

Surface Mount Resistor Tolerance: **.1%**

Features

Product Type Features

Product Type	Fixed Resistor
Resistor Type	Precision Resistor
Surface Mount Resistor Size Code	0402
Element Type	Thin Film

Configuration Features

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

Electrical Characteristics

Voltage Rating	25 V
Surface Mount Resistor Tolerance	.1%
Resistance Range	1kΩ – 1MΩ Ω
Surface Mount Resistor Resistance	511K Ω
Surface Mount Resistor Power Rating	.063 W

Termination Features

Number of Terminations	2
Surface Mount Resistor Termination Type	Solder

Mechanical Attachment

Mount Style	Surface Mount
-------------	---------------



Dimensions

Surface Mount Resistor Dimensions	1 x .5 x .3 mm
-----------------------------------	----------------

Usage Conditions

Temperature Coefficient	±25 ppm/°C
-------------------------	------------

Packaging Features

Surface Mount Resistor 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: JUN 2020 (209) Candidate List Declared Against: JUN 2020 (209) 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 Model / Part # 9-2176280-6  
CPF 0402 511K 0.1% 25ppm 5K RL

Customers Also Bought

TE Model / Part #9-2176407-5  
3560 100R 5%

TE Model / Part #8-2176407-3  
3560 10R 5%

TE Model / Part #1SNK705062R0000  
ZK2.5-RD

TE Model / Part #5-1676123-6  
1/2W SM M/OX 5% 160R

TE Model / Part #9-2176407-2  
3560 56R 5%

TE Model / Part #6-104069-1  
16 sys 50 hdr drra shrd sn

TE Model / Part #1-487937-6  
FFC Receptacle Housing: 1.27mm

TE Model / Part #2-1825142-5  
AE103MD1AV2B04

TE Model / Part #1879855-2  
BMB-A 0402 30R N8

TE Model / Part #1879855-6  
BMB-A 0402 300R N8

Documents

Product Drawings

CPF 0402 511K 0.1% 25ppm 1K RL

English

Datasheets & Catalog Pages

CPF-1016

English