



Passive Components > Resistors > Through-Hole Resistors



Resistor Type: **Low Ohmic Resistor**
Element Type: **Foil**
Power Rating: **4 W**
Resistance Class: **Up to 1k Ω**
Resistance Value: **.033 Ω**

Features

Product Type Features

Resistor Type	Low Ohmic Resistor
Element Type	Foil

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Power Rating	4 W
Resistance Class	Up to 1k Ω
Resistance Value	.033 Ω
Passive Component Tolerance	5 %

Body Features

Lead Type	Axial-Leaded
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Termination Features

Termination Area Base Material	Copper
Number of Terminations	2

Dimensions

Passive Component Dimensions	18 x 6.4 x 6.4 mm
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Usage Conditions

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Operating Temperature Range	-55 - 155 $^{\circ}\text{C}$
Temperature Coefficient	± 270 ppm/ $^{\circ}\text{C}$

Packaging Features

Packaging Method	Loose Piece - Box
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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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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	Wave solder capable to 265 $^{\circ}\text{C}$

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 # 1623819-9
SBL4 R022 5%

TE Part # 1623819-7
SBL4 R01 5%

TE Part # 1623819-2
SBL4 R005 5%

TE Part # 1623819-4
SBL4 R015 5%

SBL4R033J

Low Ohmic Resistor, Foil, 4 W, .033 Ω , 5 %, ± 270 ppm/ $^{\circ}\text{C}$, Axial-Leaded, Copper Termination, 18 x 6.4 x 6.4 mm, Loose Piece - Box, CGS SBL



TE Part # 1-1623819-2
SBL4 R047 5%

TE Part # 1-1623819-4
SBL4 R051 5%

TE Part # 1-1623819-5
SBL5 R015 5%

TE Part # 1623819-5
SBL4 R018 5%

TE Part # 1-1623819-8
SBL4 R004 1%

TE Part # 1623819-1
SBL4 R005 1%

TE Part # 1-1623819-9
SBL4 R007 1%

TE Part # 1623819-3
SBL4 R015 1%

TE Part # 1623819-6
SBL4 R01 1%

TE Part # 1623819-8
SBL4 R022 1%

Also in the Series | CGS SBL

Through-Hole Resistors(17)

Customers Also Bought

TE Part # 1625999-1
HSC100 100R 5%

TE Part # 1-353081-2
Header Assembly: Wire-to-Board, 20-45A, 250-630V

TE Part # 5499910-2
A/L UNIV HDR 14P VERT SHT LAT

TE Part # 3-2176230-8
3522 1K0 5% 3W





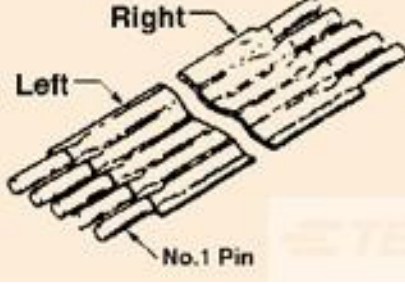
TE Part # 1623502-1
[CRG1206 1% 3K3](#)



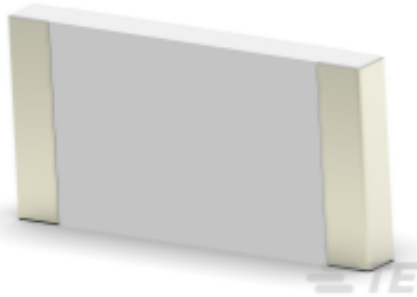
TE Part # 1-2176412-4
[5W XSM M/OX 5% 18R](#)



TE Part # 4-2176412-3
[5W XSM M/OX 5% 300R](#)



TE Part # 3-1474644-7
[FSN-22A-20](#)



TE Part # 3-2176251-7
[CRGS2010 5% 1K0](#)

Documents

Product Drawings

[SBL4 R033 5%](#)

English

Datasheets & Catalog Pages

[4-1773460-6_RESISTIVE_SOLUTIONS_RAIL](#)

English

[1309350_PASSIVE_COMPONENT](#)

English

[Low Ohmic - Current Sense Resistors - Type SBL Series - Tyco Electronics Passives](#)

English

[8-1773459-4_POWER_FILTERING_AND_RESISTIVE_SOLUTIONS_FOR_ELEVATORS_AND_ESCALATORS](#)

English