

3631B471KL

✓ ACTIVE

Sigma | Sigma 3631

TE Internal #: 1-1625812-3

470 μ H Power Inductor, 500 mA, .97 ohm DC Resistance, 18 Quality Factor, 10 %, Shielded, 12.7 mm [.5 in] Length, 12.7 mm [.5 in] Width, Sigma 3631

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Passive Components > Inductors > Power Inductors



Inductance: 470 μ H
Current Rating (Max): 500 mA
DC Resistance: .97 Ω
Inductor Quality Factor: 18
Passive Component Tolerance: 10 %

Features

Product Type Features

Element Type	Wire Wound
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Electrical Characteristics

Inductance	470 μ H
Current Rating (Max)	500 mA
DC Resistance	.97 Ω
Passive Component Tolerance	10 %

Dimensions

Product Length	12.7 mm[.5 in]
Product Width	12.7 mm[.5 in]
Product Height	6 mm[.236 in]

Usage Conditions

Operating Temperature Range	-25 – 105 $^{\circ}$ C[-13 – 221 $^{\circ}$ F]
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Operation/Application

Shielded	Yes
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Packaging Features

Packaging Method	Taped & Reeled
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Other

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Inductor Quality Factor	18
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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 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 1625812-1 3631B 10UH 20% FIO	 TE Part # 1-1676942-8 3631A 470UH 10%	 TE Part # 1-1625812-5 3631B 820UH 10% FIO	 TE Part # 3-1676943-3 3631F 100UH 20%
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TE Part # 2-1625812-1
[3631B 100UH 10%](#)



TE Part # 3-1625812-8
[3631B 330UH 10%](#)



TE Part # 1676942-2
[3631A 100UH 10%](#)



TE Part # 1625812-6
[3631B 220UH 10%](#)



TE Part # 1-1625812-8
[3631B 100UH 15%](#)



TE Part # 1625812-9
[3631B 33UH 15% FIO](#)



TE Part # 1625812-7
[3631B 220UH 15% FIO](#)



TE Part # 1625812-8
[3631B 2.5UH 20% FIO](#)



TE Part # 1625812-5
[3631B 220UH 10% FIO](#)



TE Part # 1-1625812-2
[3631B 47UH 15% FIO](#)



TE Part # 1625812-2
[3631B 100UH 15% FIO](#)



TE Part # 3-1625812-3
[3631B 22UH 20%](#)



TE Part # 3-1625812-1
[3631C 47UH 15%](#)



TE Part # 2-1625812-0
[3631B 10UH 20%](#)



TE Part # 1625812-4
[3631B 22UH 20% FIO](#)



TE Part # 1-1625812-0
[3631B 330UH 10% FIO](#)

Also in the Series | [Sigma 3631](#)



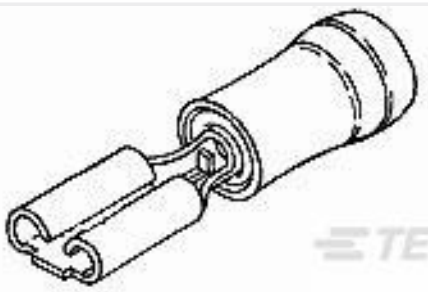
Power Inductors(25)

Customers Also Bought





TE Part #34855
TERMINAL,PG R 12-10 1/4



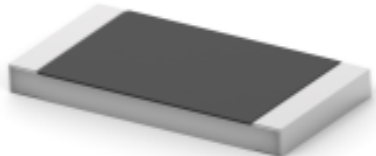
TE Part #61060-1
RECEPT,PIDG FASTON 22-18 110



TE Part #794617-4
4POS,MICRO MNL,RCPT HSG



TE Part #3-794677-4
4POS MICRO MNL ASSY,R/A,THRU



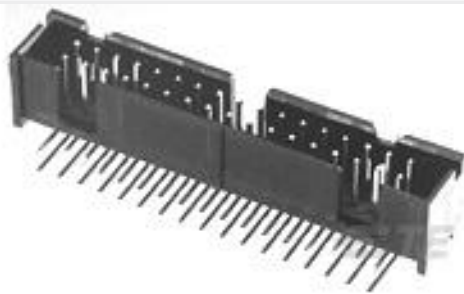
TE Part #CAT-C339-A76
SMD Power Resistor: 1 Watt, 3520 Series



TE Part #1676456-2
RN 0805 8K25 0.1% 10PPM 1KRL



TE Part #5-1879337-9
CPF 0603 10K 1% 50PPM 1K RL



TE Part #5103310-7
A/L LOW PRO HDR 34P RA BLACK

Documents

Product Drawings

3631B 470UH 10% FIO

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1625812-3_BC1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1625812-3_BC1.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1625812-3_BC1.2d_dxf.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

Shielded SMD Power Inductor - Type 3631 Series - Tyco Electronics Passives

English