

3631B2R5ML

✓ ACTIVE

Sigma | Sigma 3631

TE Internal #: 1625812-8

2.5 μ H Power Inductor, 6200 mA, .016 ohm DC Resistance, 22

Quality Factor, 20 %, 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: 2.5 μ H
Current Rating (Max): 6200 mA
DC Resistance: .016 Ω
Inductor Quality Factor: 22
Passive Component Tolerance: 20 %

Features

Product Type Features

Element Type	Wire Wound
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Electrical Characteristics

Inductance	2.5 μ H
Current Rating (Max)	6200 mA
DC Resistance	.016 Ω
Passive Component Tolerance	20 %

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	22
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2023 (235) 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 245°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 # 1625812-4
3631B 22UH 20% FIO



TE Part # 1-1625812-3
3631B 470UH 10% FIO



TE Part # 1625812-6
3631B 220UH 10%



TE Part # 1-1625812-2
3631B 47UH 15% FIO

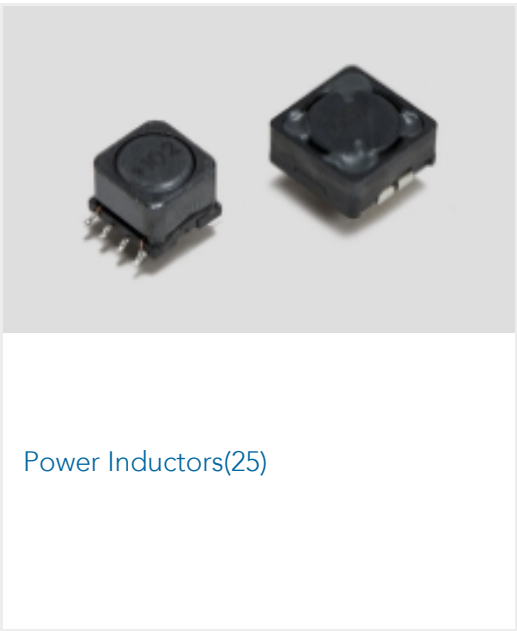
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TE Part # 1625812-2
3631B 100UH 15% FIO

Also in the Series | Sigma 3631



Power Inductors(25)

Customers Also Bought



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #206070-8
CABLE CLAMP KIT #17



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING

Documents

Product Drawings
3631B 2.5UH 20% FIO

English

CAD Files
Customer View Model
ENG_CVM_CVM_1625812-8_BC1.2d_dxf.zip

3631B2R5ML

2.5 μ H Power Inductor, 6200 mA, .016 ohm DC Resistance, 22 Quality Factor, 20 %, Shielded, 12.7 mm [.5 in] Length, 12.7 mm [.5 in] Width, Sigma 3631



English

Customer View Model

[ENG_CVM_CVM_1625812-8_BC1.3d_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1625812-8_BC1.3d_igs.zip](#)

English

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Datasheets & Catalog Pages

[1309350_PASSIVE_COMPONENT](#)

English

[Shielded SMD Power Inductor - Type 3631 Series - Tyco Electronics Passives](#)

English