

3615A101K

✓ ACTIVE

Sigma | Sigma 3615

TE Internal #: 1624097-2

100  $\mu$ H Molded SMD Inductor, 216 mA, 4.9 ohm DC Resistance, 55 Quality Factor, 10 %, 13 mm [.511 in] Length, 5 mm [.196 in] Width, Sigma 3615

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Passive Components > Inductors > Molded SMD Inductors



Inductance: 100  $\mu$ H  
Current Rating (Max): 216 mA  
DC Resistance: 4.9  $\Omega$   
Inductor Quality Factor: 55  
Passive Component Tolerance: 10 %

Features

Product Type Features

Element Type	Wire Wound
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Electrical Characteristics

Self Resonant Frequency	8 MHz
Inductance	100 $\mu$ H
Current Rating (Max)	216 mA
DC Resistance	4.9 $\Omega$
Passive Component Tolerance	10 %

Dimensions

Product Length	13 mm[.511 in]
Product Width	5 mm[.196 in]
Product Height	5.3 mm[.208 in]

Usage Conditions

Operating Temperature Range	-55 – 100 $^{\circ}$ C
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Packaging Features

Packaging Method	Taped & Reeled
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Other

Inductor Quality Factor	55
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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 2025 (247) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 1624097-6  
3615A-10-3541-10 220UH

TE Part # 1624097-1  
3615A-10-3525-10 10UH

TE Part # 1-1624097-4  
3615A-10-3509-10 0.47UH

TE Part # 1624097-8  
3615A-10-3533-10 47UH

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TE Part # 1-1624097-1  
3615A-10-3548-10 820UH



TE Part # 1-1624097-0  
3615A-10-3521-10 4.7UH



TE Part # 1624097-4  
3615A-10-3513-10 1.0UH



TE Part # 1624097-3  
3615A-10-3549-10 1.0MH



TE Part # 1624097-9  
3615A-10-3545-10 470UH



TE Part # 1624097-7  
3615A-10-3517-10 2.2UH



TE Part # 1-1624097-2  
3615A-10-3501-10 0.10UH



TE Part # 1624097-5  
3615A-10-3529-10 22UH



TE Part # 1-1624097-3  
3615A-10-3505-10 0.22UH

Also in the Series | [Sigma 3615](#)



Molded SMD Inductors(14)

Customers Also Bought



TE Part #640456-5  
OSP MTA100 HDR ASSY F/L SQ STR



TE Part #1-1879233-8  
SMW5 R51 5%



Documents

Product Drawings

3615A-10-3537-10 100UH

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1624097-2\_BA.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1624097-2\_BA.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1624097-2\_BA.3d\_stp.zip

English

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Datasheets & Catalog Pages

1309350\_PASSIVE\_COMPONENT

English

High Current Inductor SMD - Type 3615 Series - Tyco Electronics Passives

English