36550603J12NT ✔ ACTIVE

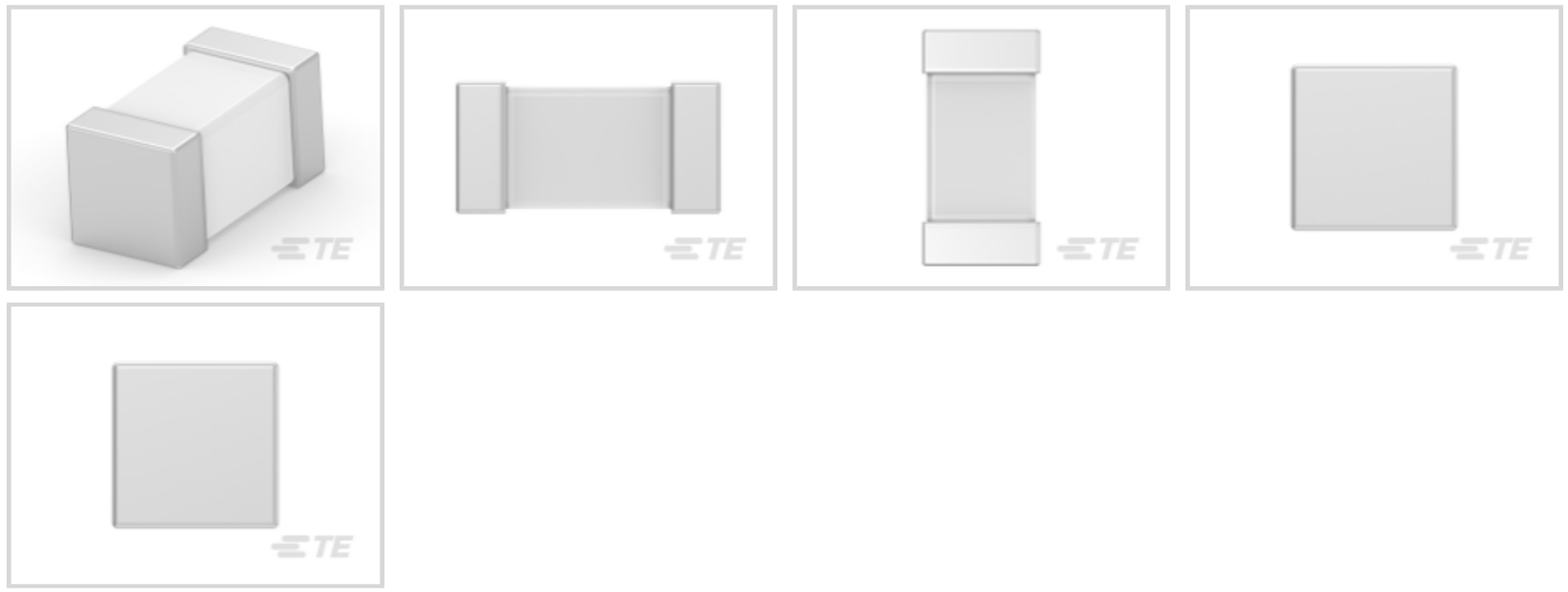
Sigma | Sigma 3655

TE Internal #: 2-2176738-1

.012 µH Molded SMD Inductor, 300 mA, .45 ohm DC Resistance, 12, 5 %, Length 1.6 mm [.062 in], Width .8 mm [.031 in], Sigma 3655

View on TE.com >

Passive Components > Inductors > Molded SMD Inductors > Automotive Grade Multilayer Chip SMD Inductors



Inductance: .012 µH

Current Rating (Max): 300 mA

DC Resistance: .45 Ω

Inductor Quality Factor: 12

Passive Component Tolerance: 5 %

All Automotive Grade Multilayer Chip SMD Inductors (87)

Features

Product Type Features

Package Size Code	0603
Element Type	Multilayer Metal Paste

Electrical Characteristics

Self Resonant Frequency	3000 MHz
Inductance	.012 µH
Current Rating (Max)	300 mA
DC Resistance	.45 Ω
Passive Component Tolerance	5 %

Dimensions

Product Length	1.6 mm[.062 in]
Product Width	.8 mm[.031 in]
Product Height	.8 mm[.031 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C

Packaging Features

Packaging Method	Taped & Reeled

Other

Inductor Quality Factor	12

Product Compliance

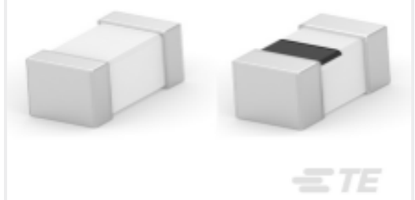
For compliance documentation, visit the product page on TE.com>

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # CAT-LV2-3655

Automotive Grade Multilayer Chip SMD Inductors

Also in the Series | Sigma 3655



Molded SMD Inductors(87)

Documents

Product Drawings

3655 0603 12N 5% T&R

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-2176738-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-2176738-1_BA.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-2176738-1_BA.2d_dxf.zip

English

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Datasheets & Catalog Pages

Automotive Grade Multilayer Chip Inductor Type 3655 Series

English