

BMC1JY1000AN

✓ ACTIVE

Sigma | Sigma BMC

TE Internal #: 2-2176493-0

1000 ohm Multilayer Ferrite Bead, 300 mA, .55 ohm DC Resistance,
0603, Length 1.6 mm [.062 in], Width .8 mm [.031 in], Sigma BMC

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Passive Components > Inductors > Ferrite Beads > Multilayer Ferrite Bead: DCR<1.5Ω, Current<800mA BMC Series



Package Size Code: 0603
Impedance: 1000 Ω
Current Rating (Max): 300 mA
DC Resistance: .55 Ω
Product Length: 1.6 mm [.062 in]

[All Multilayer Ferrite Bead: DCR<1.5Ω, Current<800mA BMC Series \(96\)](#)

Features

Product Type Features

Package Size Code	0603
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Electrical Characteristics

Passive Component Tolerance	25 %
Impedance	1000 Ω
Current Rating (Max)	300 mA
DC Resistance	.55 Ω

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
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Product Compliance

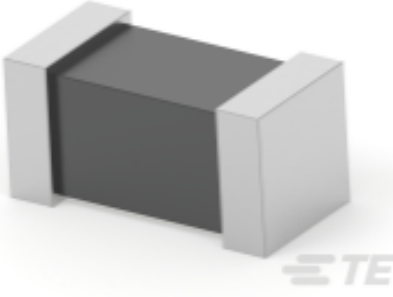
For compliance documentation, visit the product page on TE.com>

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 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 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 # CAT-LV2-BAGC020125
Multilayer Ferrite Bead: DCR<1.5Ω,
Current<800mA BMC Series

Also in the Series | Sigma BMC

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Ferrite Beads(96)

Customers Also Bought

TE Part #4-2176057-0
RLP73K 3A R43 1% 1K RL

TE Part #1735447-8
HPI 2.0 RECEPTACLE HOUSING, 8P

TE Part #BAT-HLD-012-SMT
Battery Holder 1216 1225 SMT Bulk Pack

TE Part #2-2176492-0
Multilayer Ferrite Bead: DCR<1.5Ω, Current<800mA BMC Series

TE Part #46121
DAHT PG PIDG 26-22 ASSY

TE Part #211883-5
SCREW RETAINER KIT,AMPLIMITE

TE Part #5-1879442-2
TE 60W R82 5% Bracket

TE Part #5-146252-1
02 MODII HDR DRST B/A .100 LF

Documents

Product Drawings
BMC 0603 1K0 25% A Gen C
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_2-2176493-0_A.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_2-2176493-0_A.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_2-2176493-0_A.3d_stp.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

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[Datasheets & Catalog Pages](#)

[Multilayer Ferrite Beads - Type BMC Series - Frequency Graphs](#)

English

[Multilayer Ferrite Beads - Type BMC Series](#)

English

[BMC Series Multilayer Ferrite Beads](#)

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