

BMC1JY0180AN

✓ ACTIVE

Sigma | Sigma BMC

TE Internal #: 1-2176493-0

180 ohm Multilayer Ferrite Bead, 400 mA, .2 ohm DC Resistance,
0603, Length 1.6 mm [.062 in], Width .8 mm [.031 in], Height .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: **180 Ω**
Current Rating (Max): **400 mA**
DC Resistance: **.2 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	180 Ω
Current Rating (Max)	400 mA
DC Resistance	.2 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

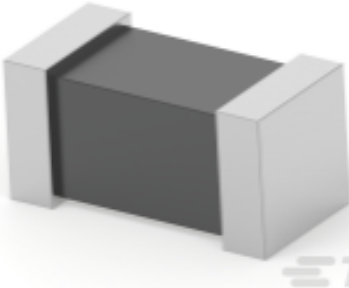
For compliance documentation, visit the product page on TE.com>

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

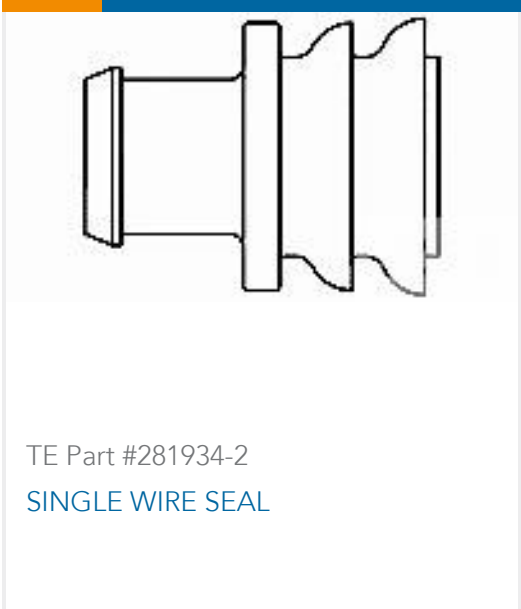
Also in the Series | Sigma BMC

BMC1JY0180AN

180 ohm Multilayer Ferrite Bead, 400 mA, .2 ohm DC Resistance, 0603, Length 1.6 mm [.062 in], Width .8 mm [.031 in], Height .8 mm [.031 in], Sigma BMC



Customers Also Bought



Documents

Product Drawings

BMC 0603 180R 25% A Gen C

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2176493-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2176493-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2176493-0_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

BMC1JY0180AN

180 ohm Multilayer Ferrite Bead, 400 mA, .2 ohm DC Resistance, 0603, Length 1.6 mm [.062 in], Width .8 mm [.031 in], Height .8 mm [.031 in], Sigma BMC



[Datasheets & Catalog Pages](#)

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

English

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

English

[BMC Series Multilayer Ferrite Beads](#)

English