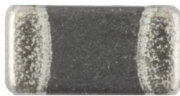


Eaton MFBA high-temperature ferrite beads



Automotive-grade multilayer ferrite beads for high-reliability applications



Eaton's MFBA high-temperature ferrite beads are suitable for use in automotive applications requiring high reliability.

Product description

Eaton's MFBA high-temperature ferrite beads are suitable for use in automotive applications requiring high reliability. The MFBA helps filter high-frequency noise energy in a broad range of electronic circuits. They are designed with high-durability monolithic construction and are AECQ-200 tested for robust performance in automotive applications. The MFBA supports the latest high-power, high-frequency automotive connectivity systems including antennas, ADAS, sensors as well as other RF connectivity modules. They are suitable for use in both exterior and interior automotive applications. The MFBA are offered in three popular EIA sizes; 0402 (1005), 0603 (1608), and 0805 (2012).

Features and benefits

- High-reliability AECQ-200 tested for automotive applications
- Low DCR for low losses in EMI filtering applications
- High current capability for high-power high-frequency automotive applications
- Suitable for EMI filtering across wide range of power and RF circuits
- Wide operating temperature range (-55 °C to +150 °C)
- Monolithic construction for robust mechanical performance
- RoHS compliant, eco-friendly design

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Product specifications

Part number ²	Impedance (Ω) $\pm 25\%$, @ +25 °C	DCR (Ω) maximum @ +25 °C	Rated current ¹ (mA) maximum
MFBA2V1005-xxx-R	33 - 220	0.03 - 0.15	1500 - 4000
MFBA2V1608-xxx-R	30 - 600	0.04 - 0.20	1000 - 3000
MFBA2V2012-xxx-R	30 - 600	0.04 - 0.20	1000 - 3000

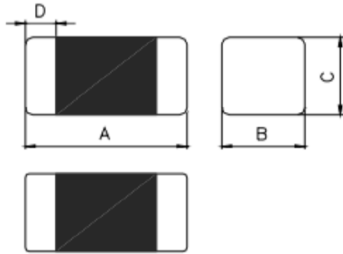
1. Rated current: Current rating for an approximate self-temperature rise of 40 °C or less.

2. Part number definition: MFBA2V1608-xxx-R

MFBA2V1608 = Product code and size

xxx = Impedance value in Ω , last character equals number of zeros

Mechanical parameters - mm



Dimension	MFBA2V1005-xxx-R
A	1.00 ± 0.10
B	0.50 ± 0.10
C	0.50 ± 0.10
D	0.25 ± 0.10

Dimension	MFBA2V1608-xxx-R
A	1.60 ± 0.15
B	0.80 ± 0.15
C	0.80 ± 0.15
D	0.30 ± 0.20

Dimension	MFBA2V2012-xxx-R
A	2.00 ± 0.20
B	1.25 ± 0.20
C	0.85 ± 0.20
D	0.50 ± 0.30

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