ABRACON
Innovation For Tomorrow's Designs®

Molded Power Inductor Solutions

Abracon offers a wide selection of molded power inductors. Our series of molded product span a variety of form factors and performance for a vast range of applications. These series can meet all high-power DC-DC conversion requirements including the highest performance in EMI shielding, power densities and core losses when compared to other inductor types. Utilizing special construction, our product offering covers High and Ultra High Performance characteristics.

High Power Inductors

AMDLA Series Inductors

AMDLA series utilizes a metal alloy powdered core resulting in superior thermal efficiencies. This series is optimized for low DCR.

AMDLA View Products

FEATURES

- 11 Package sizes from 3x3 mm to 23x23 mm
- Metal alloy powder core for low DCR
- Superior EMI shielding
- Operating temperature range: -55°C to +155°C
- AEC-Q200 and commercial series available

AMPLA Series Inductors

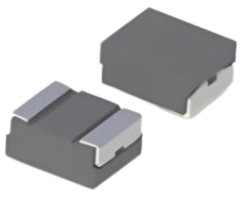
AMPLA series utilizes a carbonyl powdered core resulting in superior inductance stability when applying power. This series is optimized for high Isat.

AMPLA View Products

FEATURES

- 9 Package sizes from 4x4 mm to 17x17 mm
- Carbonyl core for soft saturation
- Superior EMI shielding
- Operating temperature range: -55°C to +125°C
- AEC-Q200 and commercial series available

AMELA Series Inductors



AMELA series is designed for compact electronic design seen in all industries. It utilizes a construction similar to that of all molded inductors.

AMELA View Products

FEATURES

- 2.5x2.0 mm package size
- Metal alloy powder core for soft saturation
- Superior EMI shielding
- Operating temperature range: -55°C to +125°C

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Ultra High Performance Inductors

AMXLA-Q Series Inductors

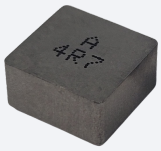
AMXLA series utilizes a special metal alloy powdered core resulting in an ultrawide operating temperature range. This series is optimized for applications requiring temperature ranges up to 180°C.

AMXLA View Products

FEATURES

- 2 Package sizes: 7x7x3 mm and 11x10x4 mm
- Metal alloy powder core for low DCR
- Superior EMI shielding
- Operating temperature range: -55°C~+180°C
- AEC-Q200 and commercial series available

ASPI-F Series Inductors



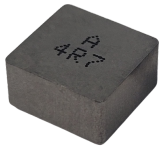
As opposed to the AMPLA and AMDLA, the ASPI-F series is composed of a flat wire construction that results in superior power densities. This product is optimized for efficiency with reduced thermal and magnetic losses.

ASPI-F View Products

FEATURES

- 14 Package sizes from 4x4 mm to 14x13 mm
- Metal alloy powder core for low DCR and high Isat
- Flat wire construction for high efficiency
- Superior EMI shielding
- Operating temperature range: -55°C~+155°C
- AEC-Q200 qualified for automotive and high reliability

ASPI-Q Series Inductors



Similar to the ASPI-F series, the ASPI-Q series is composed of flat wire construction and utilizes a special metal alloy powder for a wide operating temperature range. This product is optimized for efficiency with reduced thermal and magnetic losses that also need +155°C.

ASPI-Q View Products

FEATURES

- 8 Package sizes from 6x6 mm to 17x17mm
- Metal alloy powder core for low DCR and high Isat
- Flat wire construction for high efficiency
- Superior EMI shielding
- Operating temperature range: -55°C~+155°C
- AEC-Q200 qualified for automotive and high reliability

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