

Abrakon 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 Power characteristics.

## High Power Inductors

### AOTA Series Inductors



AOTA series is designed for [compact](#) electronic design seen in all industries. It utilizes a construction similar to that of all molded inductors.

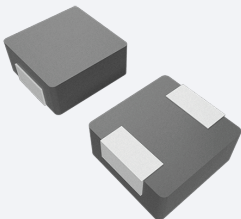
#### AOTA

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#### FEATURES

- 10 package sizes from 1.4x1.2 mm to 2.5x2.0 mm
- Low profile down to 0.65 mm
- Metal alloy powder core for soft saturation
- Superior EMI shielding
- Operating temperature range: -40°C to +125°C

### AMPLA/AMDLA Series Inductors



The AMPLA and AMDLA series utilizes a carbonyl or metal alloy powdered cores resulting in [cost-effective](#), high power handling.

#### AMPLA/AMDLA

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#### FEATURES

- 20 Package sizes from 3x3 mm to 23x23 mm
- [Carbonyl core](#) for high current saturation
- [Metal alloy core](#) for optimized low DCR
- Superior EMI shielding
- Operating temperature range: -55°C to +155°C
- AEC-Q200 and commercial series available

### 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

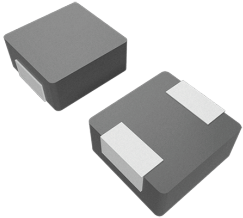
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#### FEATURES

- 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

## Ultra High Power Inductors

### AMPLH/AMDLH Series Inductors



AMPLH/AMDLH series utilizes a carbonyl or metal alloy powdered cores coupled with hot-press manufacturing technique resulting in a **cost-effective, high power density** alternative.

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#### AMPLH/AMDLH

##### FEATURES

- 6 Package sizes from 4x4 mm to 7x7 mm
- [Carbonyl core](#) for high current saturation
- [Metal alloy core](#) for optimized low DCR
- Superior EMI shielding
- Operating temperature range: -40°C to +125°C

### ASPI-F Series Inductors



The ASPI-F series is composed of a flat wire construction that results in superior power densities with elongated contact pads for increased stability. This product is **optimized for efficiency with reduced thermal and magnetic losses**.

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#### ASPI-F

##### 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**.

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#### ASPI-Q

##### 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