

LOW PROFILE HIGH CURRENT POWER INDUCTORS

For Standard, Automotive, and Industrial Applications

WHERE SIZE MEETS POWER

Abrakon introduces multiple series of next generation power inductors optimized for a wide range of applications from high power automotive and industrial grade to medium power low profile solutions down to ultra-compact wearable devices, and IoT. The product line features miniature chip inductors in packages as small as 1.6 x 0.8 x 0.8mm with RMS current carrying up to 5A and automotive grade inductors with up to 118A of saturation current. The automotive grade inductors support AEC-Q200 grade 0 or 1 (-55°C to 155°C or -40°C to +125°C), PPAP level 3 and TS-16949 qualified manufacturing.

APPLICATIONS

- Navigation
- Body Electronics & Comfort System
- Infotainment & Entertainment
- Transportation
- Audio & Video
- IoT / Industrial IoT (IIoT)
- Lighting, LED Ballasts
- Motor Control
- Drones & Robotics
- Solar Inverters & Solar Power
- Industrial Applications
- Energy Efficient Lighting
- Battery Operated Devices
- Medical & Medical Monitoring
- DC/DC Converters & Switch Mode Power Supplies

COMPACT

MINIATURE

ASPI-U | Ultra Performance Wire-Wound Power Inductor



2.5 x 2.0 x 1.0
2.0 x 1.6 x 1.0

Current Range (A): 1.30 - 10.0
Inductance Range (μH): 0.12 - 4.70

ASPI-M | Low Profile High Current Inductor



2.5 x 2.0 x 1.2
3.0 x 3.0 x 1.0

Current Range (A): 1.30 - 8.0
Inductance Range (μH): 0.24 - 10.0

ASMP-L | Low Profile Multilayer Power Inductor



1.6 x 0.8 x 0.5
2.0 x 1.25 x 0.5

Current Range (A): 0.35 - 1.45
Inductance Range (μH): 0.22 - 2.20

ASMPM | Metal alloy multilayer High power chip inductor



2.0 x 1.6 x 1.0

Current Range (A): 1.10 - 3.60
Inductance Range (μH): 0.47 - 4.70

ASPIAIG-F | Shielded SMD Power Inductor



As small as
4.1 x 4.1 x 1.9 (sizes vary)

Current Range (A): 4.40 - 36.0
Inductance Range (μH): 0.10 - 8.20

ASPIAIG-S4035 | AIG Shielded SMD Power Inductor



4.0 x 4.0 x 3.5

Current Range (A): 0.55 - 6.90
Inductance Range (μH): 1.0 - 150.0

ASPIAIG-Q(LR)4020 | AIG Molded Power Inductor



4.1 x 4.1 x 1.9

Current Range (A): 3.50 - 33.0
Inductance Range (μH): 0.10 - 4.70

ASPIAIG-F1x | AIG molded Power inductor



11.0 x 10.0 x 3.8
13.5 x 12.5 x 6.2

Current Range (A): 2.50 - 118.0
Inductance Range (μH): 0.15 - 82.0

AUTOMOTIVE GRADE