

AMSLA Stacked Inductors



Inductors & Connectivity

AMSLA Series High-Power-Density Stacked Inductors

Designed for high power applications in commercial and automotive markets

Introducing Abracon's AMSLA stacked inductors - the ideal solution for high power applications within the Industrial, Network/Telecom and Automotive industries. The AMSLA series features a parallel magnetic core and clip wire construction. These inductors are designed to support higher rated currents with low inductances. This makes these inductors a smart choice for high power and high switching frequency applications.



FEATURES

- 7 x 7 mm to 13 x 13 mm
- 72 nH to 440 nH
- Op Temperature: -40°C to +125°C
- Low DCR
- AEC-Q200*
- High Current Rating

*Applicable to select series

APPLICATIONS

- Consumer electronics
- Industrial automation and IIoT
- Networking and telecommunications
- Medical
- Power supplies
- Robotics
- Automotive

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The AMSLA series comes in a variety of sizes to account for the diversity of inductance requirements seen in customer applications with an operating temperature range of -40°C to $+125^{\circ}\text{C}$. These packages sizes tend to be smaller surface area than similar performance type inductors. The AMSLA-Q automotive series is AEC-Q200 qualified and Abracon supports PPAP documentation upon request.

STANDARD / COMMERCIAL

Series	Series Inductance (nH)	Series DCR (m Ω)	Saturation Current (A)	Temperature Rise Current (A)	Operating Temperature	Length (mm)	Width (mm)	Height (mm)
AMSLA-7050	72-150	0.35	30-58	45	-40°C to $+125^{\circ}\text{C}$	7.0	7.0	5.0
AMSLA-1050	85-220	0.42	33-70	50	-40°C to $+125^{\circ}\text{C}$	10.2	7.0	5.0
AMSLA-1070	150-310	0.41-0.48	32-70	51-70	-40°C to $+125^{\circ}\text{C}$	10.4	8.0	7.0
AMSLA-1280	220-230	0.31	50-54	50	-40°C to $+125^{\circ}\text{C}$	12.0	8.0	7.0
AMSLA-1380	210-440	0.35	35-71	50	-40°C to $+125^{\circ}\text{C}$	13.0	13.0	8.0

AEC-Q200 / AUTOMOTIVE

Series	Series Inductance (nH)	Series DCR (m Ω)	Saturation Current (A)	Temperature Rise Current (A)	Operating Temperature	Length (mm)	Width (mm)	Height (mm)
AMSLA-Q7050	72-150	0.35	30-58	45	-40°C to $+125^{\circ}\text{C}$	7.0	7.0	5.0

[VIEW ALL PRODUCTS](#)

Visit our website now to learn more about how these high-performance inductors can benefit your high-power applications: [Abracon's AMSLA High Power Density Stacked Inductors](#)

Check out Abracon's Interactive Inductor Catalog to view all of our Inductor & Connectivity solutions