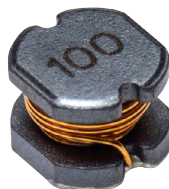




NEW PRODUCT RELEASE

MAGNETICS



Bourns Releases New AEC-Q200 Compliant, Automotive Grade SMD Power Inductors

SDE0403AT Series

Riverside, California - September 11, 2025 – Bourns Magnetics Product Line is releasing the new automotive grade [SDE0403AT Series](#) SMD Power Inductors, designed to meet today's high current density and high temperature requirements for various electronic applications.

These new inductors with a drum ferrite structure feature a low profile with a maximum thickness of 3.5 mm and offer high saturation current of up to 4.8 A.


The SDE0403AT series is AEC-Q200 compliant and offers a wide operating temperature range from -55 °C to +150 °C, making it ideal for noise filters and DC power lines in automotive systems.

Characteristics:

Series	Size (mm)	Inductance (μH)	I _{rms} (A)	I _{sat} (A)	DCR (mΩ)	Operating Temperature (°C)
SDE0403AT	4 x 4.5 x 3.2	1.0 - 68	0.4 - 2.7	0.55 - 4.8	19.3 - 822	-55 to +150

Please visit the Bourns website at www.bourns.com for additional product details and contact [Bourns Customer Service/Inside Sales](#) if you have any questions.

Features

- High operating temperature up to 150 °C
- High saturation current
- Low profile of up to 3.5mm
- AEC-Q200 compliant
- RoHS compliant* and halogen free**
-  **AUTOMOTIVE GRADE**

Applications

- Noise filters
- DC power lines
- Automotive systems

Additional Information

[DATA SHEET](#)[PRODUCT SELECTOR](#)[TECHNICAL LIBRARY](#)[INVENTORY](#)[SAMPLES](#)[CONTACT](#)

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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