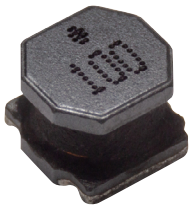
BOURNS®

NEW PRODUCT RELEASE

MAGNETICS



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

SRN5040TA-P Series

Riverside, California - September 16, 2025 – Bourns Magnetics Product Line is releasing the new SRN5040TA-P Series Semi-shielded Power Inductors with a polarity control feature for Electromagnetic Interference (EMI) optimization.

These inductors feature a magnetic-epoxy coating on the perimeter of the winding, providing effective shielding and releasing lower magnetic field radiation compared to non-shielded inductors.

Offering an operating temperature range from -55 °C to +125 °C, the SRN5040TA-P Series is AEC-Q200 compliant and ideal for use in automotive systems such as DC-DC converters and power supplies, as well as driver assistance systems, infotainment systems, and lighting systems.

Characteristics:

Series	Size (mm)	Inductance (µH)	Heating Current (A)	Saturation Current (A)	Operating Temperature (°C)
SRN5040TA-P	4.95 x 4.95 x 3.9 (3.8)	0.6 - 100	0.72 - 8	0.75 - 11	-55 to +125

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

- Semi-shielded construction
- Polarity control for EMI optimization
- High current
- AEC-Q200 compliant
- RoHS compliant* and halogen free**
- AUTOMOTIVE GRADE

Applications

- DC-DC converters
- Power supplies
- 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.*

IC25168

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