



PRODUCT EXTENSION RELEASE

MAGNETICS



Bourns Releases AEC-Q200 Compliant, Automotive Grade Impedance Matching Transformer Extension

PKSEP6 Series

Riverside, California - November 25, 2025 – Bourns Custom Magnetics Product Line is expanding the [PKSEP6 Impedance Matching Transformer Series](#) for driving ultrasonic transducers. The PKSEP6 Series offers from 0.23 mH to 5.0 mH inductance, with extended and customized values encouraged. This series also features frequency ranges between 50 kHz and 300 kHz and above, and an operating temperature range from -40 °C to +90 °C.


The PKSEP6 Series platform enables ideal impedance matching between ultrasonic transducers and driver integrated circuits. Target applications include, but are not limited to: automotive parking assistance, industrial robots, drones, logistics robots, Automated Guided Vehicles (AGVs), and fill level measurement systems.

Please contact Bourns for additional technical support and customized solutions with extended inductance and current ranges.

	Part Number	Inductance (4-6) @ 52 kHz, 0.1 V	Rdc N1-1, N1-2	Rdc N2	Turns Ratio N1-1:N1-2:N2	Hi-Pot N1-1, N1-2 to N2	Weight
New!	PKSEP6A09S	0.23 mH ±10 %	0.26 Ω Max.	7.2 Ω Max.	1:1:9 ±2 %	200 Vrms 50 Hz, 1 s No Breakdown	Approximately 1.15 g
New!	PKSEP6A08S	3.0 mH ±10 %	0.72 Ω Max.	28.5 Ω Max.	1:1:8.42 ±2 %		
	PKSEP6B08S	3.18 mH ±8 %	1.8 Ω Max.	37.5 Ω Max.	1:1:7.9 ±2 %		
New!	PKSEP6A15S	4.2 mH ±10 %	0.62 Ω Max.	34.5 Ω Max.	1:1:15 ±2 %		
New!	PKSEP6A10S	5.0 mH ±10 %	0.9 Ω Max.	36 Ω Max.	1:1:10.1 ±2 %		

Please visit the Bourns website at www.bourns.com for additional product details. If you have any questions or need additional information, please feel free to contact [Bourns Customer Service/ Inside Sales](#).

Features

- Ferrite core
- EP 6 SMD type
- Shielding for optimized EMC-behavior
- Five U-shape terminals
- AEC-Q200 compliant
- RoHS compliant*
-  **AUTOMOTIVE**
GRADE

Applications

- Ultrasonic sensors
- Ultrasonic park assist
- Industrial distance measuring
- Robotics

Additional Information

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

IC25206