



Bourns Releases New Shielded Power Inductors

HRP3822X and HRP5022X Series

Riverside, California – March 20, 2025 – Bourns Magnetics Product Line is introducing the new [HRP3822X](#) and [HRP5022X](#) Series Shielded Power Inductors. These new through-hole inductors feature shielded construction for low radiation and offer an inductance range of 0.68 to 3.3 μH with low DCR and very high current.

The HRP3822X and HRP5022X Series have an operating temperature range of $-40\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$ and are well-suited for use in industrial high current filters, high current battery charging and DC-DC converters.

Characteristics:

Series	Size (mm)	Inductance (μH)	Heating Current I_{rms} (A)	Saturation Current I_{sat} (A)	Operating Temperature ($^{\circ}\text{C}$)
HRP3822X	38.1 x 38.1 x 21.7	0.68 – 3.3	96 – 235	87 – 420	-40 to +125
HRP5022X	51 x 51 x 21.6	2.2	125 – 187	190 – 280	-40 to +125

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

Features

- Through-hole configuration
- High current up to 235 A
- Low DCR
- RoHS compliant* and halogen free**

Applications

- Industrial high current filters
- High current battery charging
- DC-DC converters

Additional Information



* 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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