



Features

- Low winding capacity
- One layer helical winding
- KLL technology
- Excellent cooling
- RoHS compliant*

Applications

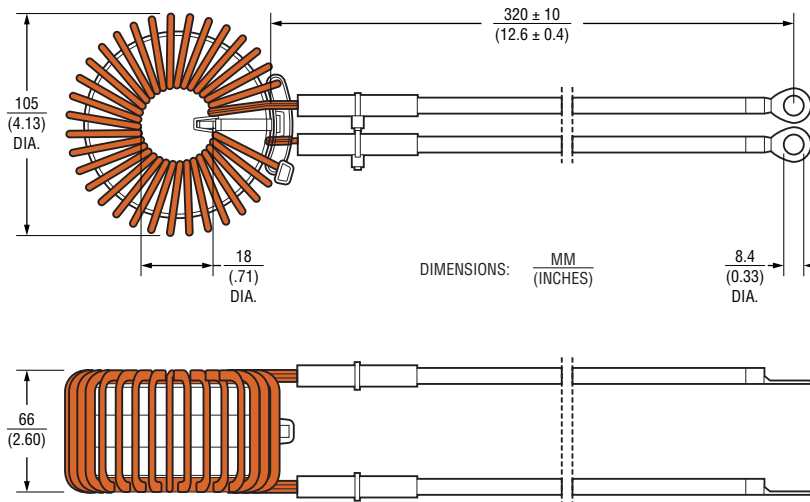
- High Power High Ripple (HPHR)
- DC-DC converters
- Current doubler
- PFCs

Model 15322x Series – HP HR Choke

General Specifications @ 25 °C

Bourns Part Number	Inductance L0 @ 10 kHz ($\mu\text{H} \pm 20\%$)	Rated Current (A)	Max. DC Resistance (m Ω)	L Peak Current (μH)	Peak Current (A)
153220	75	80	4	30	92
153221	32	125	2	15	140
153222	165	65	6	45	75
153223	19	133	1	6	186
153224	250	50	13	79	60

Product Dimensions



Additional Information

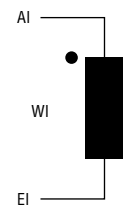
Click these links for more information:



General Specifications @ 25 °C

Core Material Ferrite
 Nominal Inductance .. 19 to 250 $\mu\text{H} \pm 20\%$
 Current
 I_{rms} 50 to 133 A_{rms}
 I_{peak} 60 to 186 A_{p}
 I_{pp} @ f 50 A_{pp} @ 70 kHz triangle
 Resistance (Rdc) 13 m Ω max.
 Operating Temperature -40 °C to +125 °C
 Storage Temperature -40 °C to +85 °C
 Weight 1000 to 1400 g

Schematic



Packaging Specifications

Cardboard box 4 pcs. per box

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WARNING
 Cancer and Reproductive Harm
www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.
 Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

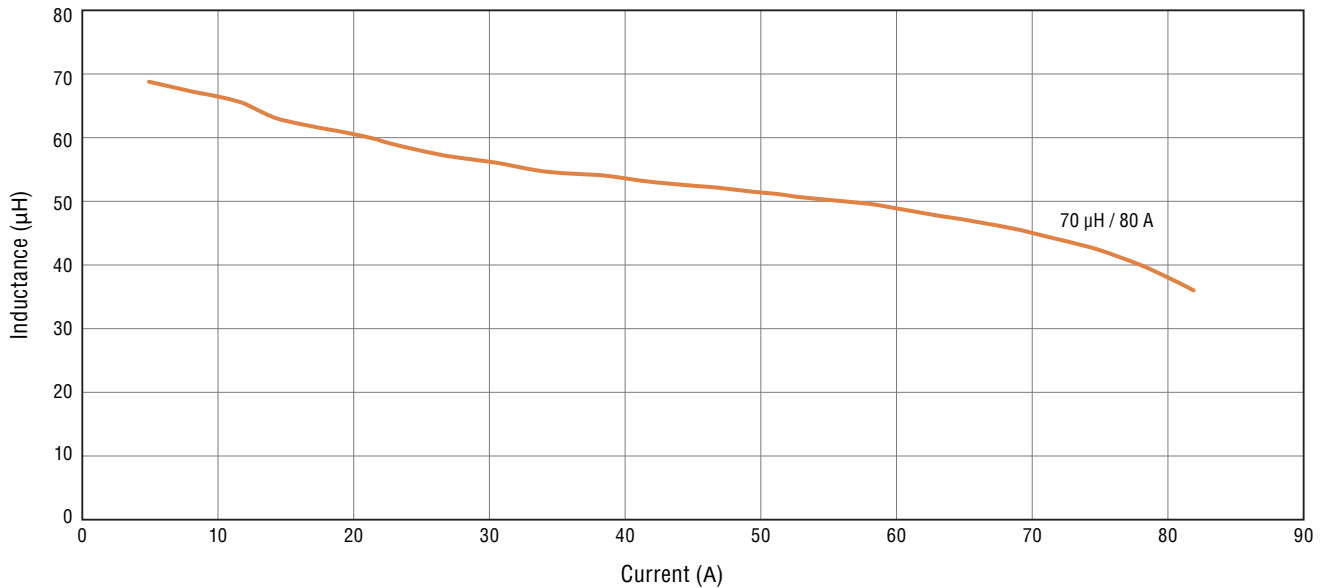
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Model 15322x Series – HPHR Choke

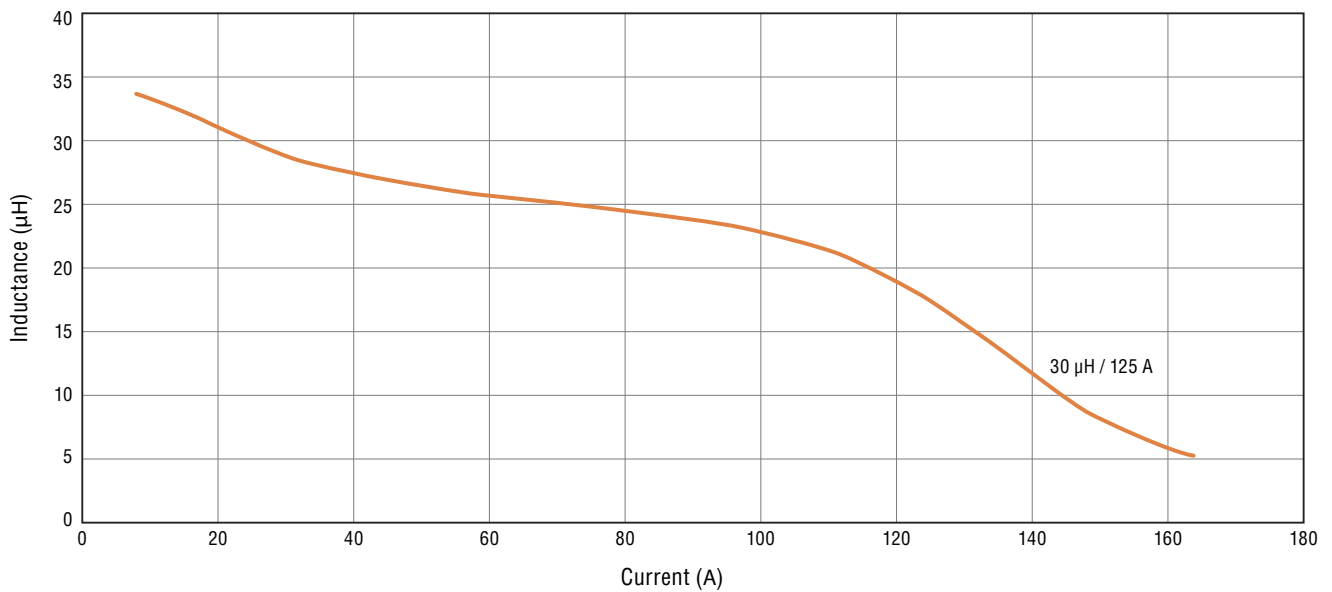
BOURNS®

Inductance vs. Current @ 100 °C

153220



153221



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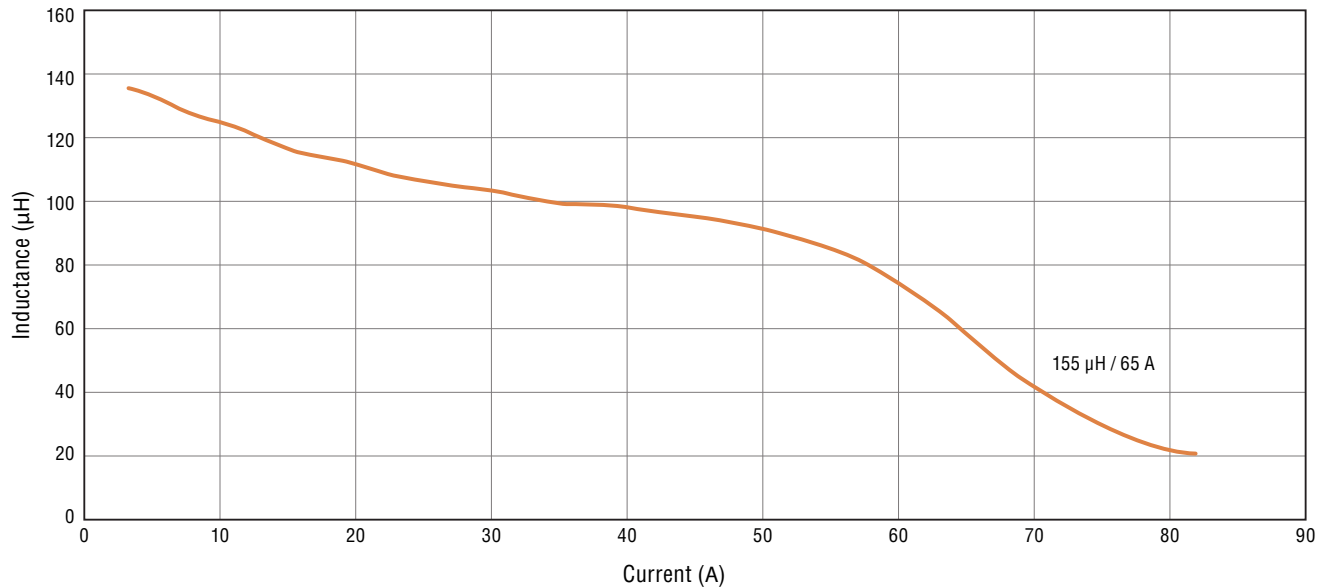
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Model 15322x Series – HPHR Choke

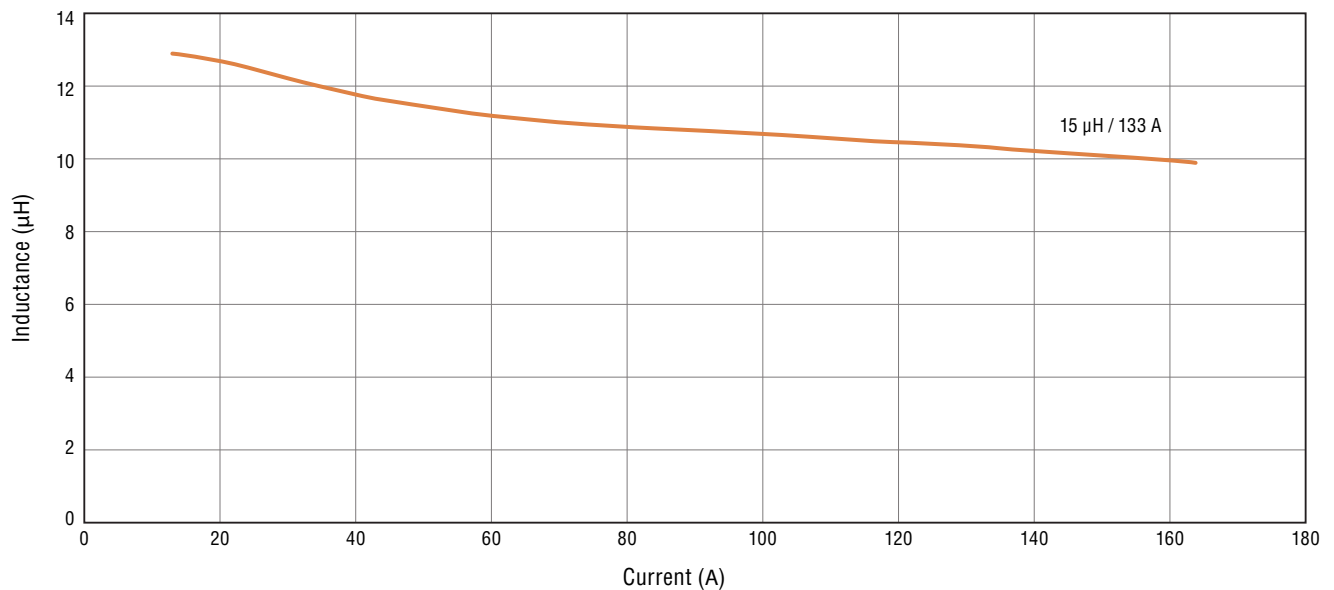
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Inductance vs. Current @ 100 °C (continued)

153222



153223



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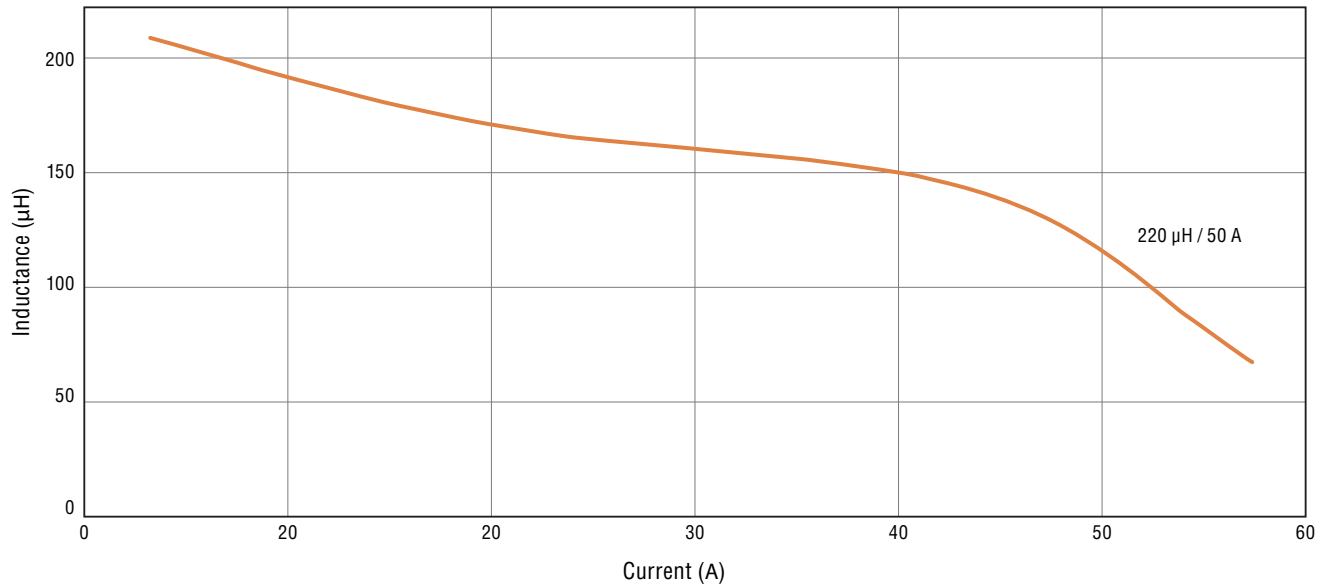
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Model 15322x Series – HPHR Choke

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Inductance vs. Current @ 100 °C (continued)

153224



REV. 07/25

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