



### Features

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

### Applications

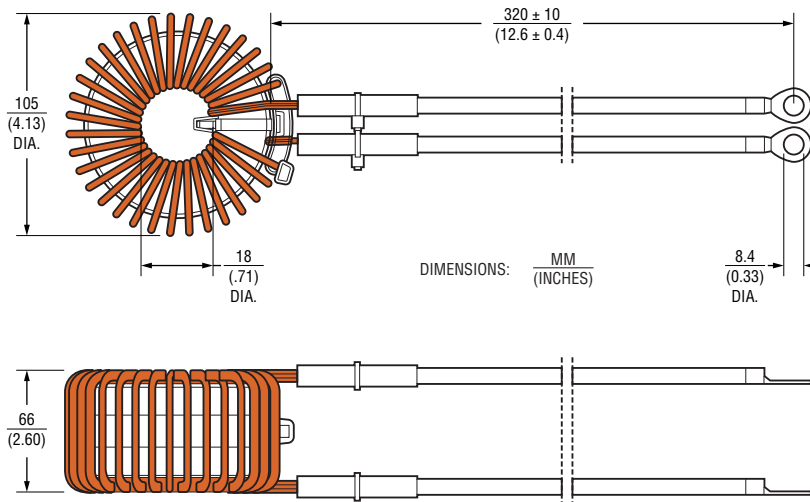
- High Power High Ripple (HPHR)
- DC-DC converters
- Current doubler
- PFCs

## Model 15322x Series – HPFR Choke

### General Specifications @ 25 °C

Bourns Part Number	Inductance L0 @ 10 kHz ( $\mu\text{H} \pm 20\%$ )	Rated Current (A)	Max. DC Resistance (m $\Omega$ )	L Peak Current ( $\mu\text{H}$ )	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

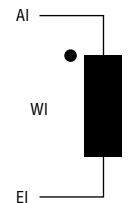
Click these links for more information:



### General Specifications @ 25 °C

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

### Schematic

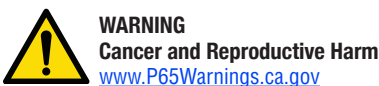


### Packaging Specifications

Cardboard box..... 4 pcs. per box



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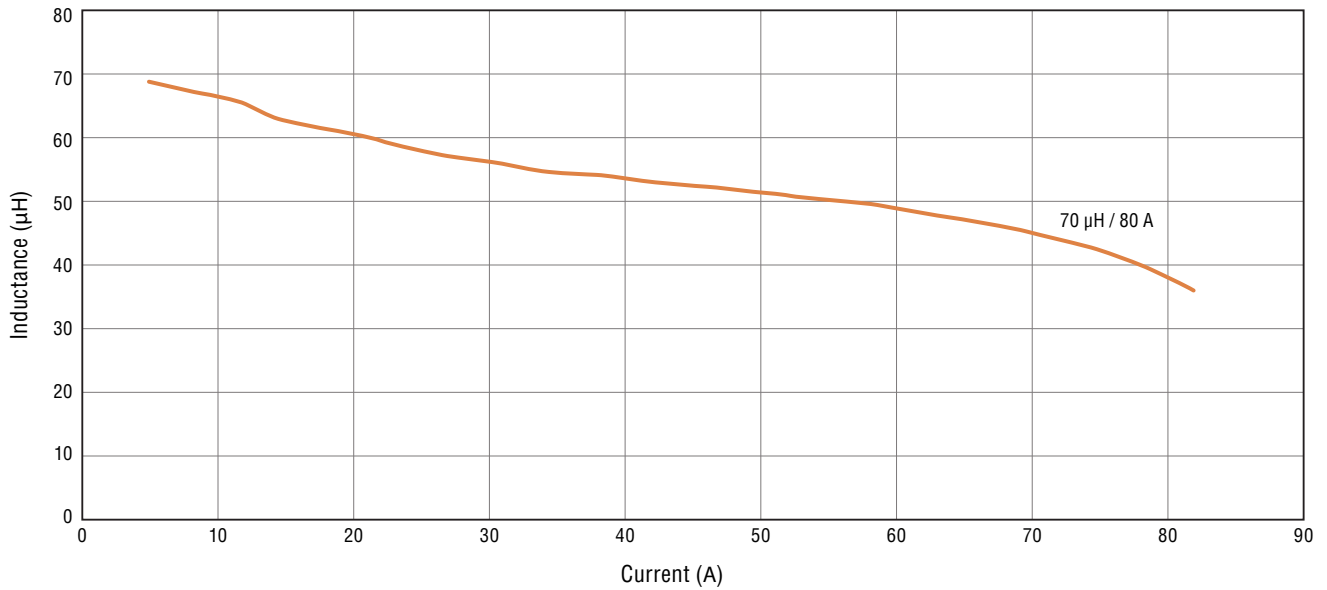
\*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at [www.bourns.com/docs/legal/disclaimer.pdf](http://www.bourns.com/docs/legal/disclaimer.pdf).

## Model 15322x Series – HPHR Choke

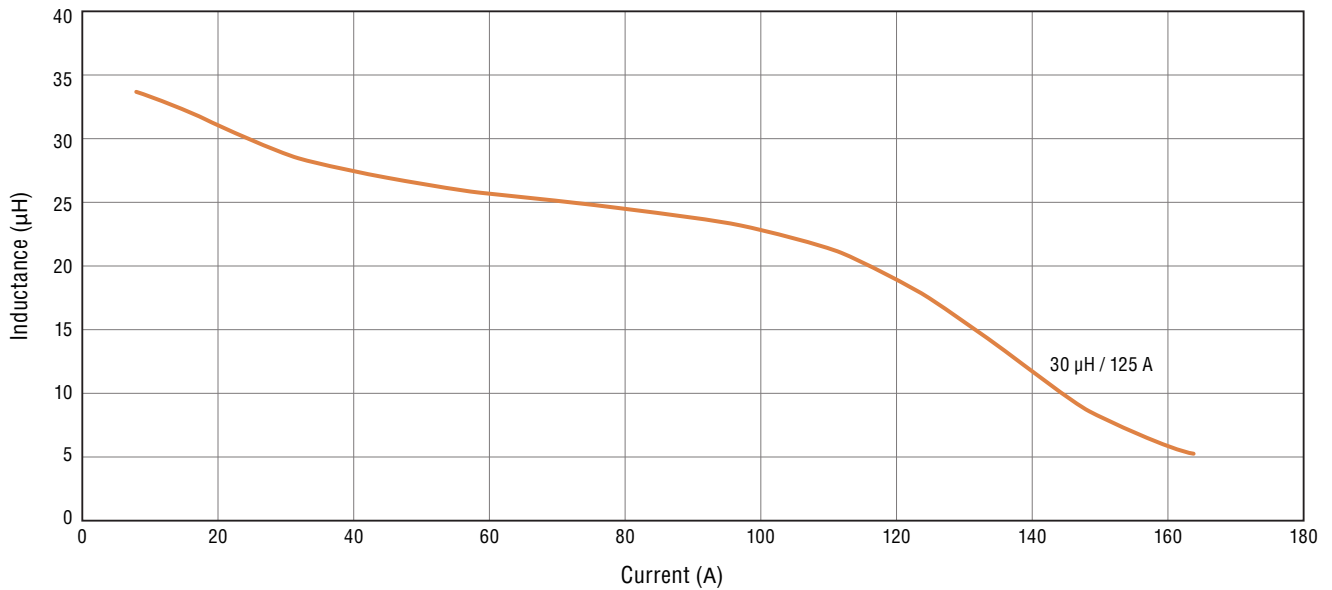
**BOURNS®**

### Inductance vs. Current @ 100 °C

#### 153220



#### 153221



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Users should verify actual device performance in their specific applications.

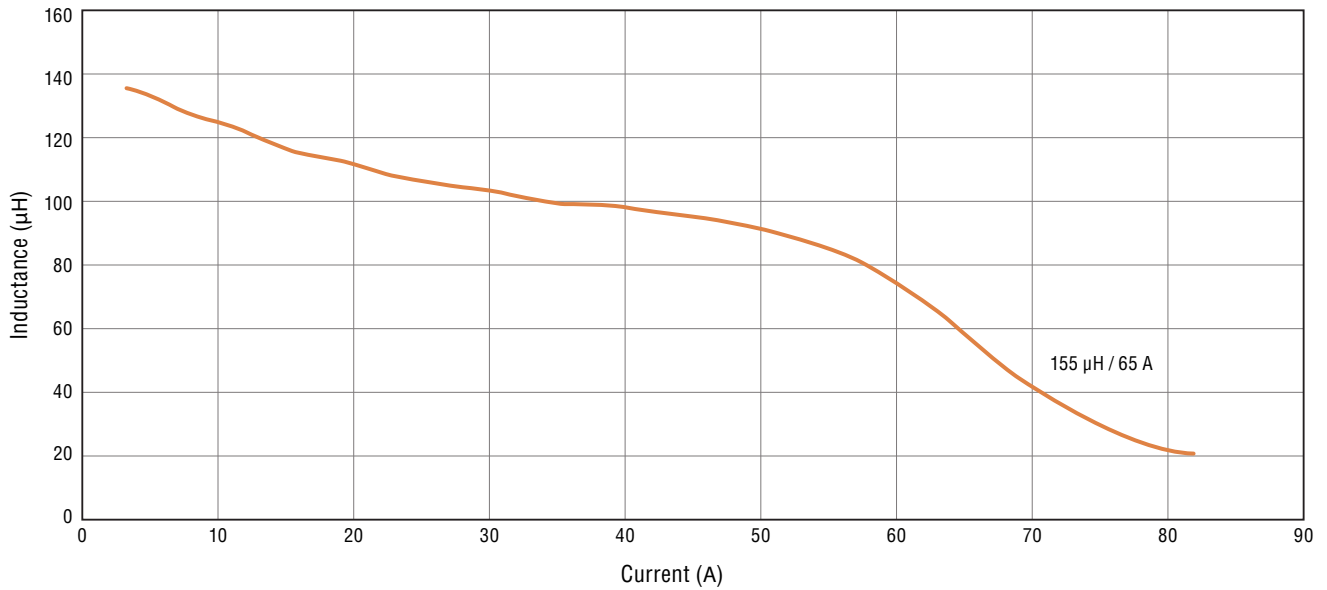
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## Model 15322x Series – HPHR Choke

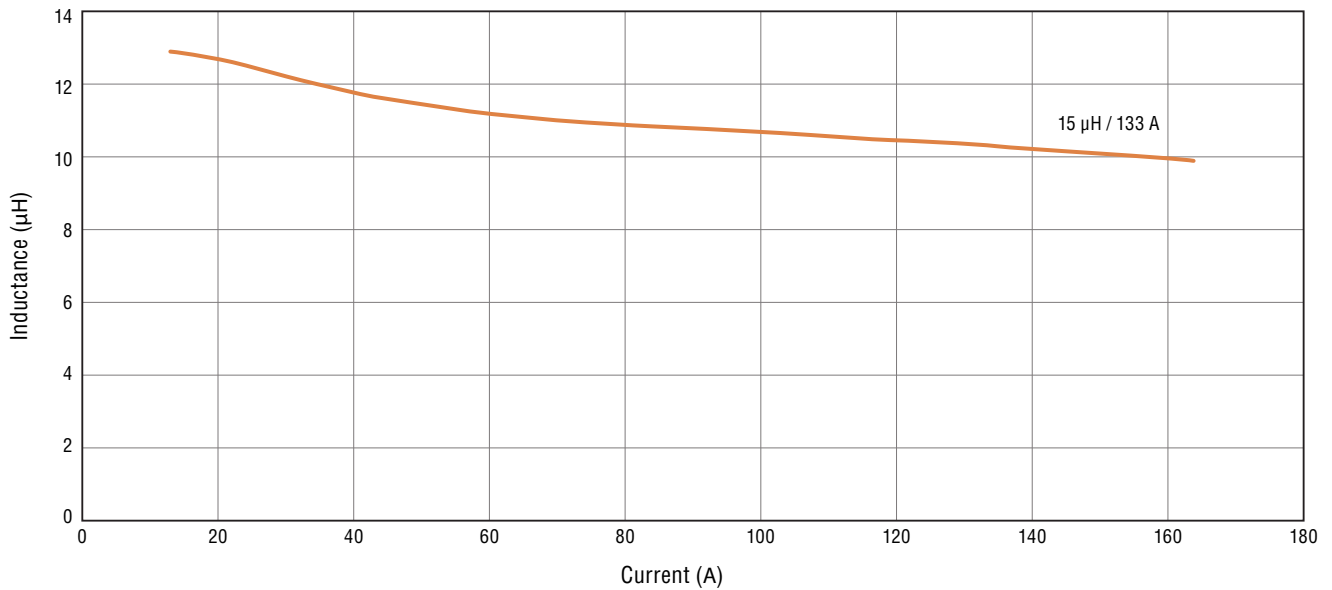
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### Inductance vs. Current @ 100 °C (continued)

#### 153222



#### 153223



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Users should verify actual device performance in their specific applications.

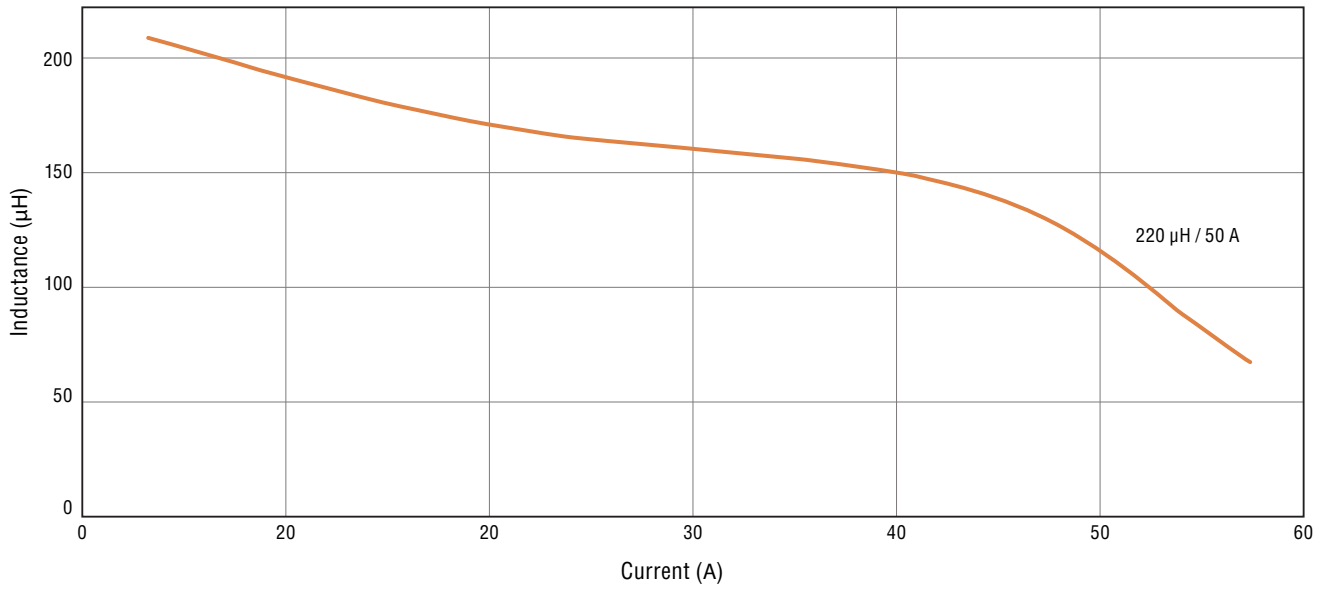
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# Model 15322x Series – HPHR Choke

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## Inductance vs. Current @ 100 °C (continued)

153224



REV. 07/22/25

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