



Features

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

Applications

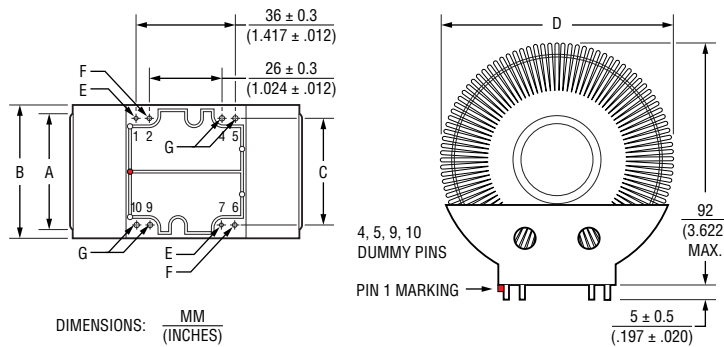
- High Power High Ripple (HPHR)
- DC & AC inverters up to 12 kW
- High efficient SMPS
- Operation at high nominal voltage
- PV inverters

15323x Series – AC & DC Choke

General Specifications @ 25 °C

Bourns Part Number	Inductance L0 @ 10 kHz (mH $\pm$ 20 %)	Rated Current (A)	Max. DC Resistance (m Ω)	Power (kW)	L Peak Current (mH)	Peak Current (A)
153230	1.0	13	34.0	6	0.6	16
153231	0.30	20	12.0	5	0.160	32

Product Dimensions



Dimension	153230	153231
A MAX.	$\frac{47}{(1.850)}$	$\frac{38}{(1.496)}$
B MAX.	$\frac{50}{(1.969)}$	$\frac{40}{(1.575)}$
C	$\frac{40 \pm 0.3}{(1.575 \pm .012)}$	$\frac{30 \pm 0.3}{(1.181 \pm .012)}$
D MAX.	$\frac{86}{(3.386)}$	$\frac{87}{(3.425)}$
E DIA.	$\frac{1.5 + 0.1/-0.2}{(.059 + .004/- .008)}$	$\frac{1.8 \pm 0.1}{(1.575 \pm .004)}$
F DIA.	$\frac{1.7 + 0.1/-0.2}{(.067 + .004/- .008)}$	$\frac{2.24 \pm 0.1}{(.088 \pm .004)}$
G DIA.	$\frac{2.0 + 0.1/-0.2}{(.079 + .004/- .008)}$	$\frac{2.0 \pm 0.1}{(.079 \pm .004)}$

Additional Information

Click these links for more information:



General Specifications @ 25 °C

Core Material Ferrite

Nominal Inductance 300 to 1000 μ H $\pm$ 20 %

Current

I_{rms} 13 to 32 A_{rms}

I_{peak} 16 to 32 A_p

I_{pp} 5 15 A_{pp} @ 50-100 kHz triangle

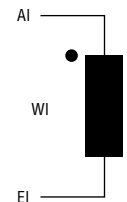
Resistance (Rdc) 12-34 m Ω max.

Operating Temperature -40 °C to +125 °C

Storage Temperature -40 °C to +85 °C

Weight 700 to 1000 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.

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CALIFORNIA WARNING

Can expose you to lead, a carcinogen and reproductive toxicant.

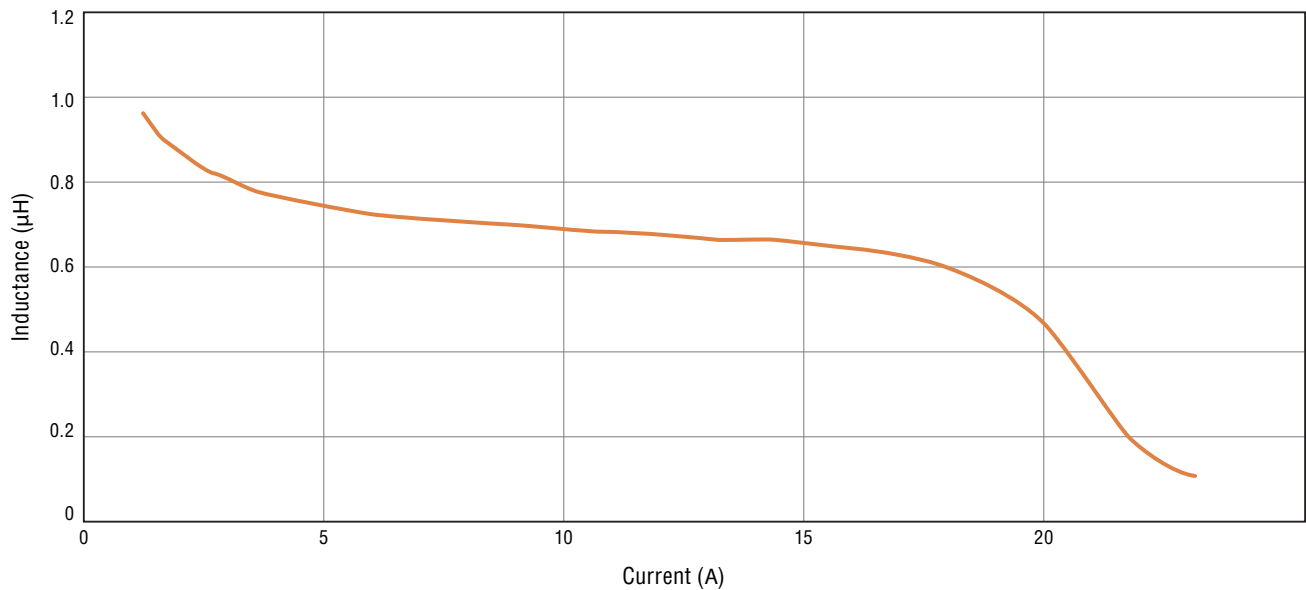
www.P65Warnings.ca.gov

15323x Series – AC & DC Choke

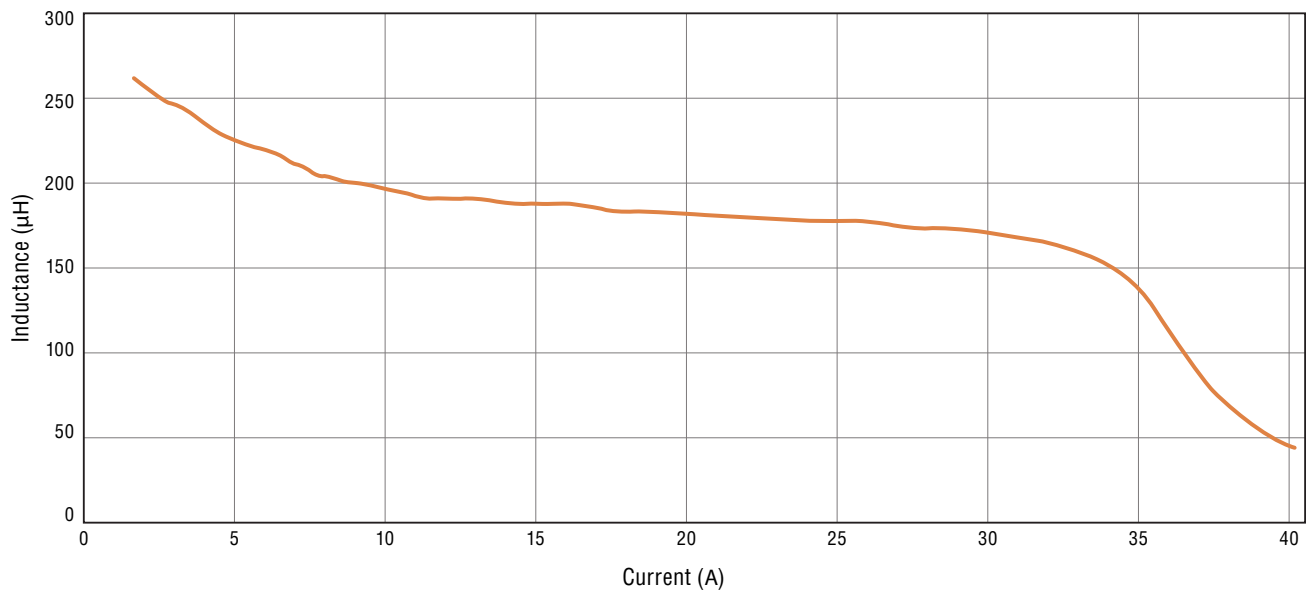
BOURNS®

Inductance vs. Current @ 100 °C

153230



153231



REV. 09/25

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