



Featuring Ferrite Core Technology, New IHDF-1300AE-10 Edge-Wound, Through-Hole Inductor With Low 15.4 mm Max. Profile Delivers Saturation Current to 230 A, Provides Low DCR to Reduce Power Losses and Increase Efficiency

Product Benefits:

- Rated current up to 72 A
- Saturation current up to 230 A
- Features ferrite core technology for high efficiency where AC losses are critical
- Low 15.4 mm maximum profile
- Operating temperature range from -55 °C to +125 °C
- Edge-wound coil provides low DCR of 1.1 mΩ maximum
- Operating voltage up to 500 VDC
- Hot-dipped tin plating reduces the risk of whisker growth
- RoHS-compliant, halogen-free, and [Vishay Green](#)



Market Applications:

- DC/DC converters, inverters, motor and switching noise suppression, and high power switchmode power supplies
- Industrial solar systems and charging stations for electric vehicles
- Military defense systems

Buy It Now:

[Check distributor stock on the Vishay website](#)

The News:

Vishay Intertechnology introduces a new IHDF edge-wound, through-hole inductor with rated current up to 72 A and saturation current up to 230 A for industrial and military applications. Featuring ferrite core technology and a low 15.4 mm maximum profile, the Vishay Dale IHDF-1300AE-10 operates over a demanding temperature range from -55 °C to +125 °C with low AC and DC power losses and excellent heat dissipation.

- Low DCR minimizes losses and improves rated current performance for increased efficiency
- 75 % higher saturation current compared to competing ferrite-based solutions
- Low profile package allows designers to meet harsh mechanical shock and vibration requirements, while minimizing board height to save space
- Vishay can customize the device's mounting orientation, termination type, nominal inductance, and isolation voltage rating on request

The Key Specifications:

Case size	1300
Profile (mm)	15.4
Inductance (µH)	1.0 to 10



NEW PRODUCT INFORMATION



Product Group: Vishay Dale, Inductors / December 2019

DCR max. (mΩ)	0.79 to 1.11
Heat rating current (A)	58 to 72
Saturation current (A)	35 to 230 ⁽¹⁾
SRF typ. (MHz)	9 to 39

⁽¹⁾ DC current (A) that will cause L_0 to drop approximately 20 %

Availability:

Samples and production quantities of the new inductor are available now, with lead times of 12 weeks.

To access the product datasheet on the Vishay Website, go to <http://www.vishay.com/ppg?34538> (IHDF-1300AE-10)

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