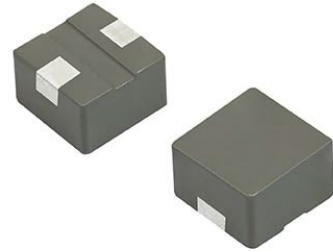


IHLP® Inductor in 1212 Case Size Saves Space and Delivers High Efficiency for Commercial Applications; Offers DCR Down to 8.6 mΩ and Rated Current to 14.3 A in 3.0 mm x 3.0 mm Footprint With 1.2 mm, 1.5 mm, or 2.0 mm Profile

Product Benefits:

- Compact 3.0 mm x 3.0 mm footprint
- Available in three height profiles: 1.2 mm, 1.5 mm, and 2.0 mm
- Typical DCR from 8.6 mΩ to 50.4 mΩ
- Wide range of inductance values from 0.22 μH to 3.3 μH
- Rated current to 14.3 A
- -55 °C to +125 °C operating temperature range
- Handles high transient current spikes without saturation
- Packaged in a 100 % lead (Pb)-free shielded, composite construction that reduces buzz noise to ultra low levels
- High resistance to thermal shock, moisture, and mechanical shock
- RoHS-compliant, halogen-free, and [Vishay Green](#)



Market Applications:

- Energy storage in low profile DC/DC converters for PMICs, power line noise suppression, and filtering
- Industrial drives and tools; home and building controls; computers and computer peripherals; consumer entertainment and healthcare devices; telecom equipment; and medical instrumentation

The News:

Vishay Intertechnology introduces a new IHLP® low profile, high current inductor in the compact 1212 case size. For space-constrained commercial applications, the Vishay Dale IHLP1212-EZ-1Z offers comparable electrical performance to larger devices in a compact 3.0 mm x 3.0 mm footprint with three profile options: 1.2 mm, 1.5 mm, and 2.0 mm.

- Offering improved performance over ferrite-based technologies, the IHLP1212-EZ-1Z features a robust powdered iron body that completely encapsulates its windings – eliminating air gaps and magnetically shielding against crosstalk to nearby components – while its soft saturation curve provides stability across the entire operating temperature and rated current ranges

The Key Specifications:

Height (mm)	1.2	1.5	2.0
Inductance (μH)	0.22 to 1.0	0.22 to 1.5	0.22 to 3.3
DCR typ. (mΩ)	8.6 to 29.4	8.6 to 36.9	8.6 to 50.4
DCR max. (mΩ)	10.3 to 33.8	10.3 to 41.4	10.3 to 54.9
Heat rating current (A) ⁽¹⁾	6.1 to 11.1	5.5 to 11.1	4.5 to 11.1



NEW PRODUCT INFORMATION

Product Group: Vishay Dale, Inductors / April 2026



Saturation current (A)	5.1 to 9.5 ⁽²⁾ / 6.7 to 12.4 ⁽³⁾	5.0 to 11.0 ⁽²⁾ / 6.5 to 14.3 ⁽³⁾	3.7 to 10.5 ⁽²⁾ / 4.8 to 13.7 ⁽³⁾
SRF (MHz)	66 to 185	51 to 202	30 to 214

⁽¹⁾ DC current (A) that will cause an approximate ΔT of 40 °C

⁽²⁾ DC current (A) that will cause L_0 to drop approximately 20 %

⁽³⁾ DC current (A) that will cause L_0 to drop approximately 30 %

Availability:

Samples and production quantities of the IHLP1212-EZ-1Z are available now, with a lead time of 10 weeks.

To access the product datasheet on the Vishay Website, go to <http://www.vishay.com/ppg?34671> (IHLP1212-EZ-1Z)

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