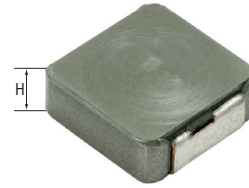




Low Profile, High Current IHLP® Inductors

- Features
Shielded Construction
Lowest DCR/µH, in This Package Size
Handles High Transient Current Spikes without Saturation
Ultra Low Buss Noise, Due to Complete Construction
Operating Temperature: -55°C to +125°C
Tolerance: 20%
Mfr.'s Type Ending in 01 Is Original Series, the Difference Between 01 and 11 Series Is the Core Material Blend
11 Series Feature: Lower Operating Frequency, Lower DCR, Lower Saturation Current and Ability to Offer Higher Inductance Values

- Applications
PDA/Notebook/Desktop/Server Applications
High Current POL Converters
Low Profile, High Current Power Supplies
Battery Powered Devices
DC/DC Converters in Distributed Power Systems
DC/DC Converter for Field Programmable Gate Array (FPGA)



Dimensions — mm

Table with columns: IHLXXXX, H. Rows: AB (1.2), BX (2.0), CZ (3.0), DZ (4.0), EZ (5.0)

IHLP1616

Table with columns: Stock No., Mfr.'s Type, Ind. .25 V, 0 A (µH), DCR Typ. 25°C (mΩ), DCR Max. 25°C (mΩ), Heat Rating Current DC Typ. (A), Saturation Current DC Typ. (A), EACH (1-9, 10-99)

IHLP2020

Table with columns: Stock No., Mfr.'s Type, Ind. .25 V, 0 A (µH), DCR Typ. 25°C (mΩ), DCR Max. 25°C (mΩ), Heat Rating Current DC Typ. (A), Saturation Current DC Typ. (A), EACH (1-9, 10-99)

IHLP2525

Table with columns: Stock No., Mfr.'s Type, Ind. .25 V, 0 A (µH), DCR Typ. 25°C (mΩ), DCR Max. 25°C (mΩ), Heat Rating Current DC Typ. (A), Saturation Current DC Typ. (A), EACH (1-9, 10-99)

IHLP2525 (Continued)

Table with columns: Stock No., Mfr.'s Type, Ind. .25 V, 0 A (µH), DCR Typ. 25°C (mΩ), DCR Max. 25°C (mΩ), Heat Rating Current DC Typ. (A), Saturation Current DC Typ. (A), EACH (1-49, 50-99)

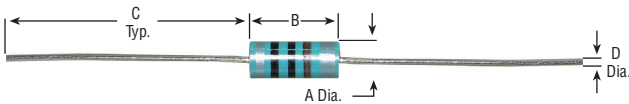
IHLP3232

Table with columns: Stock No., Mfr.'s Type, Ind. .25 V, 0 A (µH), DCR Typ. 25°C (mΩ), DCR Max. 25°C (mΩ), Heat Rating Current DC Typ. (A), Saturation Current DC Typ. (A), EACH (1-49, 50-99)

IHLP5050

Table with columns: Stock No., Mfr.'s Type, Ind. .25 V, 0 A (µH), DCR Typ. 25°C (mΩ), DCR Max. 25°C (mΩ), Heat Rating Current DC Typ. (A), Saturation Current DC Typ. (A), EACH (1-49, 50-99)

Molded Inductors



Epoxy molded construction provides superior moisture protection. Wide inductance range in a small package. IMS-5 offers electromagnetic shielding. Encapsulant: Epoxy. Standard Terminals: IM-2, 24 AWG; IM-4 and IMS-5, 22 AWG tinned copper.

- Wide Inductance Range in Small Package
Precision Performance, Excellent Reliability, Sturdy Construction
Epoxy Molded Construction Provides Superior Moisture Protection
Flame Retardant Coating

Table with columns: Mfr.'s Type, Tol., A, B, C, D. Rows: IM-2, IM-4, IM-5

Table with columns: Stock No., Mfr.'s Type, Ind. (µH), Tol. (%), Current DC mA, Core, EACH (1-49, 50-99)

IHA High Current Axial-Lead Filter Inductors



Environmental Specifications. Inductance: Measured at 1 V with no DC current. Current Rating: Maximum continuous operating current (DC or RMS) based on 50°C temperature rise. Dielectric Rating: 2500 Vrms, 60 Hz, applied for one minute between winding and outer circumference to within 0.250" (6.35 mm) of the insulation sleeve edge. Operating Temperature: -55°C to +125°C (no load), -55°C to +75°C (at full rated current). Tolerance: 10%.

Mechanical Specifications. Winding: Layered solenoid type. Wire: Solid soft copper. Terminals: Tinned copper leads. Encapsulant: Polyolefin tubing. Core Material: Ferrite.

- Printed Circuit Mounting
Pre-Tinned Leads
Low Cost Construction
Protected by Polyolefin Tubing — Flame Retardant UL Type VW-1 Per MIL-I-23053/5, Class 3 Requirements

Table with columns: Stock No., Mfr.'s Type, Ind. (µH), Current (A), Body Width A Max. In. (mm), Body Length B Max. In. (mm), Lead Dia. C ±0.002" (±0.050 mm), EACH (1-24, 25-99)