



Author: Doug Lillie
Tel: 1 605-668-4131
E-mail: doug.lillie@vishay.com

New IHHP Series of Low-Profile, High-Current Power Inductors Feature Powdered Metal Cores for High Saturation Currents to 5.8 A

Product Benefits:

- High saturation current up to 5.8 A
- Miniature case sizes:
 - 2.0 mm by 1.6 mm 0806
 - 2.5 mm by 2.0 mm 1008
- Low profiles of 1.0 mm and 1.2 mm.
- Maximum DCR down to 15 m Ω
- Wide range of inductance values from 0.22 μ H to 10 μ H
- Heat rating current up to 5.3 A
- Operate over a temperature range from -55 $^{\circ}$ C to +125 $^{\circ}$ C



Market Applications:

- DC/DC converters and power supply modules in notebook PCs, mobile phones, hard disk drives, SSDs, DVCs, and DSCs

The News:

Vishay Intertechnology introduces a new series of low-profile, high-current power inductors featuring powdered iron cores for high saturation current up to 5.8 A. Vishay Dale IHHP series devices are offered in the miniature 0806 and 1008 case sizes, each available with low profiles of 1.0 mm and 1.2 mm.

- Lowers costs and saves board space in computer, consumer, telecom, tablet, and handheld applications
- Magnetic-alloy power inductors offer low acoustic noise and provide magnetic shielding to prevent interference with nearby components
- Offer high efficiency
- Packaged in an RoHS-compliant, 100 % lead (Pb)-free shielded construction



The Key Specifications:

Part number	IHHP-0806AB-01	IHHP-0806AZ-01	IHHP-1008AB-01	IHHP-1008AZ-01
Case size	0806	0806	1008	1008
Profile (mm)	1.2	1.0	1.2	1.0
Inductance range(μ H)	0.22 to 2.2	0.22 to 2.2	0.47 to 10	0.24 to 4.7
DCR typ. ($m\Omega$)	13 to 133	15 to 132	20 to 390	12.5 to 240
DCR max. ($m\Omega$)	16 to 155	19 to 158	24 to 468	15 to 288
Heat rating current (A)	1.8 to 5.3	2.0 to 5.2	1.1 to 4.5	1.4 to 5.0
Saturation current (A)	1.9 to 5.8	2.1 to 5.2	1.2 to 4.8	1.4 to 4.9

Availability: Samples and production quantities of the new inductors are available now, with lead times of eight to 10 weeks for large orders.

To access the product datasheets on the Vishay Website, go to

<http://www.vishay.com/ppg?34389> (IHHP-0806AB-01)

<http://www.vishay.com/ppg?34382> (IHHP-0806AZ-01)

<http://www.vishay.com/ppg?34391> (IHHP-1008AB-01)

<http://www.vishay.com/ppg?34390> (IHHP-1008AZ-01)

Contact Information:

THE AMERICAS

Doug Lillie
Vishay Intertechnology, Inc.
doug.lillie@vishay.com

EUROPE

Jens Walther
Vishay Electronic GmbH
jens.walther@vishay.com

ASIA/PACIFIC

Victor Goh
Vishay Asia Pte Ltd.
victor.goh@vishay.com