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## New IHHP-1212ZH-01 and IHHP-1212AZ-01 Low-Profile, High-Current Power Inductors Save Space and Increase Efficiency in Portable Electronics

### Product Benefits:

- Compact 3 mm by 3 mm 1212 case size
- Wide range of inductance values from 0.33  $\mu\text{H}$  to 10  $\mu\text{H}$
- Low profiles down to 0.8 mm
- Maximum DCR down to 23  $\text{m}\Omega$
- High saturation current to 6.5 A
- Heat rating current up to 6.0 A
- Operate over a temperature range from  $-55\text{ }^\circ\text{C}$  to  $+125\text{ }^\circ\text{C}$



### Market Applications:

- DC/DC converters and power supply modules for notebook PCs, PDAs, and other battery powered electronics

### The News:

Vishay Intertechnology has extended its IHHP series of low-profile, high-current power inductors with two new devices in the compact 3 mm by 3 mm 1212 case size.

- Save space and increase efficiency in portable electronics
- Magnetic-alloy power inductors offer low acoustic noise and provide magnetic shielding to prevent interference with nearby components
- Packaged in an RoHS-compliant, 100 % lead (Pb)-free shielded construction

### The Key Specifications:

Part number	IHHP-1212AZ-01	IHHP-1212ZH-01
Profile (mm)	1.0	0.8
Inductance at 1 MHz, 0.10 V, 0 A ( $\mu\text{H}$ )	0.47 to 10	0.33 to 4.7
DCR typ. at 25 $^\circ\text{C}$ ( $\text{m}\Omega$ )	27 to 369	21 to 281
DCR max. at 25 $^\circ\text{C}$ ( $\text{m}\Omega$ )	30 to 410	23 to 312
Heat rating current DC (A)	1.1 to 5.2	1.4 to 6.0
Saturation current DC typ. (A)	1.3 to 5.0	1.7 to 6.5



# New Product Info



**Product Group:** Vishay Dale, Inductors / **March** 2016

**Availability:**

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

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

<http://www.vishay.com/ppg?34404> (IHHP-1212AZ-01)

<http://www.vishay.com/ppg?34405> (IHHP-1212ZH-01)

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