

## New IHLP-3232CZ-11 Low-Profile, High-Current Inductor

### Product Benefits:

- Offered in 3232 case size
- Ultra-low 3.0 mm profile
- High efficiency:
  - Maximum DCR from 1.62 mΩ to 205.0 mΩ
  - Standard inductance values from 0.22 μH through 33.0 μH
- Frequency range up to 1 MHz
- Saturation current range from 2.5 A up to 24.0 A
- Heat rating current range from 2.6 A to 36.0 A
- Handles high transient current spikes without hard saturation



### Market Applications:

- Voltage regulator module (VRM) and dc-to-dc converter applications in end products including next-generation mobile devices; notebooks, desktop computers, servers, graphic cards, portable gaming systems, personal navigation systems, personal multimedia devices, and automotive systems; low-profile, high-current power supplies and point of load (POL) converters; distributed power systems; and field-programmable gate arrays (FPGAs)

### The News:

## Vishay Intertechnology Extends IHLP® Family of Low-Profile, High-Current Inductors in the 3232 Case Size With New Device Featuring Ultra-Low 3.0-mm Profile, Inductance Values From 0.22 μH through 33.0 μH, and Maximum DCR Down to 1.62 mΩ

Vishay Intertechnology, Inc. (NYSE: VSH) announces a new IHLP low-profile, high-current inductor in the 3232 case size. Featuring an 8.26 mm by 8.79 mm footprint and ultra-low 3.0 mm profile, the compact IHLP-3232CZ-11 offers high efficiency with maximum DCR down to 1.62 mΩ and a wide range of standard inductance values from 0.22 μH through 33.0 μH.

- Packaged in an RoHS-compliant, 100 % lead (Pb)-free shielded, composite construction that reduces buzz noise to ultra-low levels
- High resistance to thermal shock, moisture, mechanical shock, and vibration



# New Product Info



**Product Group:** Vishay Dale, Inductors

## Key Device Specifications:

- 3232 case size
- 8.26 mm by 8.79 mm footprint with a 3.0 mm profile
- Frequency range to 1 MHz
- Inductance range from 0.22  $\mu$ H to 33.0  $\mu$ H
- Saturation current range from 2.5 A to 24.0 A
- Heat rating current range from 2.6 A to 36.0 A
- Maximum DCR from 1.62 m $\Omega$  to 205.0 m $\Omega$
- Operating temperature range of - 55 °C to + 125 °C

**The Perspective:** Featuring an ultra-low 3.0 mm profile, Vishay's new IHLP-3232CZ-11 IHLP low-profile, high-current inductor in the 3232 case offers maximum DCR down to 1.62 m $\Omega$ , a wide range of standard inductance values from 0.22  $\mu$ H through 33.0  $\mu$ H, and a frequency range up to 1 MHz. These values make the IHLP-3232CZ-11 ideal as a high-performing, space- and power-saving solution for voltage regulator module (VRM) and dc-to-dc converter applications in a broad range of electronic products.

To access the product datasheets on the Vishay Web site, go to <http://www.vishay.com/doc?34321> (IHLP-3232CZ-11)