



## New IHCM-2321AA-10 Common Mode Choke With SMD or Through-Hole Mounting Options Offers Low Profile, High Shock and Vibration Resistance for 35 A Commercial Applications; Delivers Saturation Current to 35 A and Low DCR Losses Across Temps to +155 °C

### Product Benefits:

- Low profile
- Surface-mount or through-hole mounting options
- Continuous high temperature operation to +155 °C
- Excellent saturation characteristics
- Low DCR losses
- 1500 VDC dielectric withstand voltage between coils
- Customizable inductance, impedance, DCR, and current ratings
- RoHS-compliant, halogen-free, and [Vishay Green](#)



### Market Applications:

- Commercial-grade DC/DC converters, EMI filters, and high current filters for noise suppression in motor control and other circuitry in industrial and telecom applications

### The News:

Vishay Intertechnology introduces a new IHCM common mode choke for high current commercial applications to 35 A. Available with a low profile surface-mount construction, the Vishay Custom Magnetics IHCM-2321AA-10 is more robust than bulky toroid-based devices, while delivering superior performance across temperature ranges to +155 °C.

- With its low profile, the IHCM-2321AA-10 offers a reduced size and volume, making it more resistant to shock and vibration
- An enhanced core design extends current saturation out to as much as 35 A
- The device is surface-mountable and compatible with automated pick and place assembly for increased flexibility in board layouts
- Inductance, impedance, DCR, and current ratings can be customized to meet customer requirements. A through-hole mounting option is also available



## The Key Specifications:

Part number	IHCM-2321AA-10
Inductance	90 $\mu$ H to 480 $\mu$ H
Common mode impedance (typ.)	380 $\Omega$ to 1200 $\Omega$
DC resistance (max.)	0.0015 $\Omega$ to 0.0125 $\Omega$
Heat rating current (typ.) <sup>(1)</sup>	8 A <sub>DC</sub> to 31 A <sub>DC</sub>
Saturation current (typ.) <sup>(2)</sup>	13 A <sub>DC</sub> to 35 A <sub>DC</sub>
Leakage (max.)	2.5 $\mu$ H to 14.0 $\mu$ H

<sup>(1)</sup> DC current (A) that will can an approximate  $\Delta T$  of 40 °C

<sup>(2)</sup> DC current (A) that will cause  $L_0$  to drop approximately 30 %

### Availability:

Samples and production quantities of the new inductor are available now, with lead times of 12 weeks.

To access the product datasheet on the Vishay Website, go to <http://www.vishay.com/ppg?34560> (IHCM-2321AA-10)

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