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:**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Part number</td>
<td>IHCM-2321AA-10</td>
</tr>
<tr>
<td>Inductance</td>
<td>90 µH to 480 µH</td>
</tr>
<tr>
<td>Common mode impedance (typ.)</td>
<td>380 Ω to 1200 Ω</td>
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<tr>
<td>DC resistance (max.)</td>
<td>0.0015 Ω to 0.0125 Ω</td>
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<tr>
<td>Heat rating current (typ.) (1)</td>
<td>8 ADC to 31 ADC</td>
</tr>
<tr>
<td>Saturation current (typ.) (2)</td>
<td>13 ADC to 35 ADC</td>
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<tr>
<td>Leakage (max.)</td>
<td>2.5 µH to 14.0 µH</td>
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</tbody>
</table>

(1) DC current (A) that will cause an approximate ΔT of 40 °C  
(2) DC current (A) that will cause L₀ 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](http://www.vishay.com/ppg?34560) (IHCM-2321AA-10)

**Contact Information:**

**THE AMERICAS**
Doug Lillie  
doug.lillie@vishay.com

**EUROPE**
Jens Walther  
Jens.Walther@vishay.com

**ASIA/PACIFIC**
Victor Goh  
Victor.Goh@vishay.com

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