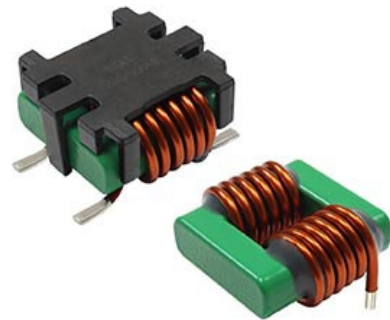


Available With SMD or Through-Hole Mounting Options, Commercial and Automotive Grade Low Profile Common Mode Chokes Offer High Shock and Vibration Resistance, Heat Rating Current to 30 A, and High Operating Temperatures Up to +150 °C

Product Benefits:

- Available with surface-mount and through-hole mounting options
- Heat rating current to 30 A
- Dielectric withstand voltage rated to 1500 V_{DC} between coils
- High temperature operation up to +150 °C
- Self-shielded, rugged construction
- AEC-Q200 qualified (ICMS2321-1A)
- Customizable inductance, impedance, DCR, and current ratings
- RoHS-compliant, halogen-free, and [Vishay Green](#)



Market Applications:

- DC/DC converters, high voltage inverters, EMI filters, and high current filters for noise suppression in motor control and other circuitry
- Automotive on-board chargers

The News:

Vishay Intertechnology introduces two new low profile common mode chokes for high current automotive, energy, and industrial applications. Available in both surface-mount and through-hole packages, the Vishay Dale commercial ICMS2321-10 and Automotive Grade ICMS2321-1A combine a heat rating current to 30 A with a 1500 V_{DC} dielectric withstand voltage between coils.

- With their low profile, they offer a reduced size and volume, making them more resistant to shock and vibration, while their enhanced core design increases performance and saturation current at high temperatures
- Devices with surface-mount terminations are available in tape and reel packaging and are compatible with automated pick and place assembly for increased flexibility in board layouts



The Key Specifications:

Part number		ICMS2321-10	ICMS2321-1A
Inductance		70 μ H to 480 μ H	
DCR typ.		1.2 m Ω to 13.4 m Ω	
DCR max.		1.3 m Ω to 15.0 m Ω	
Common mode impedance	@ 1 MHz	540 Ω to 3790 Ω	
	@ 10 MHz	345 Ω to 1920 Ω	
	@ 100 MHz	220 Ω to 410 Ω	
Heat rating current typ. ⁽¹⁾		7 A to 20 A	
Heat rating current typ. ⁽²⁾		10 A to 30 A	
Leakage max.		1.7 μ H to 11.5 μ H	
AEC-Q200		No	Yes

⁽¹⁾ DC current (A) that will cause an approximate ΔT of 40 °C

⁽²⁾ DC current (A) that will cause an approximate ΔT of 100 °C

Availability:

Samples and production quantities of the ICMS2321-10 and ICMS2321-1A 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?34675> (ICMS2321-10)

<http://www.vishay.com/ppg?34702> (ICMS2321-1A)

Contact Information:

THE AMERICAS

Nick Schade

Nick.Schade@vishay.com

EUROPE

Jessica Braun

Jessica.Braun@vishay.com

ASIA/PACIFIC

Jacky Kim

Jacky.Kim@vishay.com