Dual Coil combines high common and differential mode impedance for LED lamps

Saving space and reducing bill of material components are always on the minds of design engineers, especially in LED retrofit lamp market. Wurth Electronics Midcom created the Dual Coil series of common mode chokes with high dual impedance capabilities - in the smallest package size on the market today.

The Dual Coil series of common mode chokes offer a cost-effective solution for suppression of common mode and differential mode impedance at low frequencies, ranging from 10kHz to 100MHz. The dual feature eliminates the need for multiple components, which saves cost on the bill of materials and space on the printed circuit board.

The Dual Coil has common mode inductance values ranging from 2.5mH to 140mH, while providing differential mode inductance from 0.3mH to 19mH. The Dual Coil measures 8.7 mm x 15.8 mm x 13-13.6 mm. With ratings up to 250 VAC line voltages and up to 750mA of current, these chokes can handle even the most demanding needs in the LED retrofit lamp market. In addition, they are well suited to fit higher power lighting ballast applications, as well as any low-power, offline application.

“We have seen a tremendous amount of interest for the Dual Coil from a wide variety of industry partners,” said Dean Huumala, Product Marketing Manager for Wurth Electronics Midcom. “We have been somewhat taken back by the instant demand.”

Applications for the Dual Coil include offline and LED lighting along with 110/240

VAC main-line applications. The common mode choke is also suitable for CCFL lighting, filtering on device with unstable ground, power line input and output filters, power electronics, electronic ballasts, white goods and power tools.

To view the Dual Coil line of chokes, or to order samples, log on to www.we-online.com/midcom [1].

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