

ITG Electronics, Inc. Introduces New Non-Coupling Dual Inductors

ITG Electronics, Inc. is a leading manufacturer of inductors and transformers since 1963. ITG Electronics introduces an updated version of its non-coupling dual inductor.

ITG Electronics new non-coupling dual inductor is part of the companies L101353A Series which is of ferrite-based flat wire inductors, whose members range from 1.0-10.0 uH. ITG Electronics non-coupling dual inductors are designed for power conversion applications with current ratings from 14-170 Amps at 25° C and a 20% inductance drop. This component has a low DCR of 1.06 mOhm, and an IRMS up to 50 amps. Additionally, the SMD (Surface Mount Device) inductors provide a lower core loss and a high current output, which is ideal for settings with high density and limited board space.

The new non-coupling inductors are designed for 48-Volt direct power conversion, offering high performance and premium efficiency in demanding data center environments. The maximum height of the component is 24mm with a length and width of 24.5 x 26mm, offering a low profile for all electrical applications. ITG P/N 3013-L101353A-3R6MHF-ND 3.6uH (P/N L101353A-3R6MHF) has been validated for ST Micro 800Watt 48V Solution.

Features

- Ferrite Based SMD Inductor with lower core loss
 - Inductance Range: 1.0 uH – 10.0 uH
- Operating Frequency up to 5.0 MHz application
- Operating Temperature Range: -55°C to +130°C
 - RoHs & HF compliance
- Low Profile: 24.00 mm Max. height
 - Foot Print: 24.50 x 26.00 mm

Applications

- Renewable Energy
 - Automotive
- EMI Filtering

- Energy Storage
- Industrial

L101353A Series Part Numbers on Digi-Key

1. 3013-L101353A-1R0MHF-ND
2. 3013-L101353A-2R5MHF-ND
3. 3013-L101353A-3R3MHF-ND
4. 3013-L101353A-3R6MHF-ND
5. 3013-L101353A-4R7MHF-ND
6. 3013-L101353A-6R8MHF-ND
7. 3013-L101353A-100MHF-ND

