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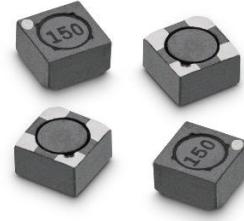
Wurth Electronics – Product Spotlight

WE-MTCI: SMD Multi-Turn Ratio Coupled Inductor

Wurth Electronics WE-MTCI series is their first multi-turn coupled inductor with turn ratios of 1:1:5, 1:2 and 1:3 while offering different inductance values in a tiny package (5.2 x 5.2 x 3.1 mm). The WE-MTCI series is available in 5030 package size.

Characteristics:

- Smallest coupled inductor with different Turn Ratio and 0.8kV isolation
- Magnetically Shielded
- 1:1 Transformer
- Operation temperature: -40°C to +125°C



Applications:

- Ideal solution for buck/boost converter with regulated and un-regulated output voltage
- High density Isolated converter application (e.g. Flyback converter)
- Step-up or Step-down Converter with Auxiliary winding
- Can be used in Auto-transformer application