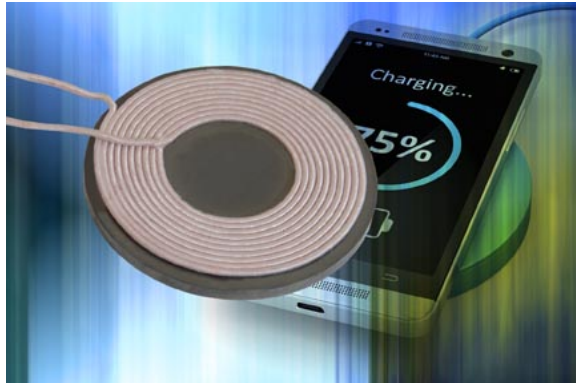


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IWTX-47R0BE-11 6.3 μ H Wireless Charging A11 Type Tx Coil for 5 V Applications Saves Space in Qi Wireless Charging Pads

Product Benefits:

- AEC-Q200 qualification pending
- Powdered iron based
- WPC-compliant
- Optimized for 5 V applications
- Durable construction
- High permeability shielding
- Magnetic saturation of 50 % at 4,000 gauss
- RoHS-compliant device
- Low inductance



Market Applications:

- Qi wireless charging pads

The News:

Vishay Intertechnology introduces a new powdered-iron-based, WPC-compliant (Wireless Power Consortium) wireless charging A11 type transmitter coil for 5 V applications.

- 18 % smaller than other solutions on the market to save space
- Designed for use in conjunction with Vishay's WPC-compliant wireless receiver coils
- High-saturation powdered iron is not affected by permanent locating magnets
- Provides an alternative to larger ferrite-based solutions, which can saturate in the presence of a strong magnetic field



The Key Specifications:

- 50 % magnetic saturation at 4,000 gauss
- 6.3 μH inductance at 200 kHz
- +5 % inductance tolerance
- DCR of 38 m Ω (\pm 10 %) at +25 °C
- Q of 190 typical at 200 kHz
- 47 mm lead length
- 5 mm tinned length
- 7 A heat rated current
- 22 A saturation current
- 22 MHz self resonant frequency

Availability:

Samples and production quantities of the IWTX-47R0BE-11 6.3 μH Tx coil are available now, with lead times of 14 weeks for large orders.

To access the product datasheet on the Vishay website, go to <http://www.vishay.com/ppg?34429> (IWTX-47R0BE-11 6.3 μH)

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