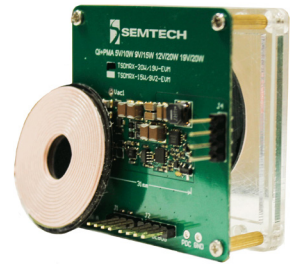


20W WIRELESS CHARGING COIL

DUAL MODE RX



Abracon's AWCCA-RX350300-101 wireless charging coil is optimized to meet the requirements of Semtech's LinkCharge™ 20 TSDMRX-19V20W-EVM reference design board.

As part of Semtech's complete wireless charging solution delivering up to 84% efficiency at 20W, this coil implements the receive side of the wireless charging solution. Designed for compact applications, it features a compact 35mm diameter resulting in a high power delivery for its size.

FOR USE IN THE
SEMTECH
LINKCHARGE™ 20
TSDMRX-19V20W-EVM
REFERENCE DESIGN

APPLICATIONS

Industrial automation • Medical devices • Portable audio/video •
Robotics • Drones • Appliances • Power tools



PRODUCT FEATURES

- Wireless charging receiver coil • Optimized for 19V/20W operation
 - 25uH inductance
 - 35mm diameter • 3.15mm height • High permeability
 - Shielding to protect sensitive electronics
- Durable construction • Industrial -40 °C to 85 °C operating temperature •
Compatible with 19V/20W dual mode **Semtech LinkCharge™ 20**
TSDMRX-19V20W-EVM chipset

PART NUMBER	INDUCTANCE	DC RESISTANCE	Q
AWCCA-RX350300-101	25µH±10%	<150mΩ Typ	90 Typ
Test Condition	100KHz / 1V	20±15 °C	100KHz/1V
Test Equipment	HP4284A, HP42841A, Agilent 34420A or equivalent		
Test Environment	Temperature: 20±15 °C, RH: 65% ±20%.		

FOR MORE INFORMATION

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www.abracon.com