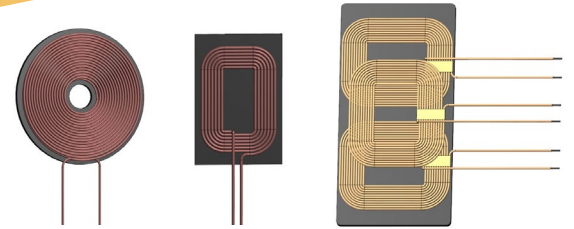


AWCCA SERIES

15-20W Wireless Charging Coils



AWCCA SERIES

Abrakon expands its range of wireless charging coils to target applications requiring 15-20W power delivery with a specific focus on miniaturization. These new package sizes offer a wider selection for designers to choose from and eliminate the need for customized solutions.

Features

- Ideal for 15-20W applications
- Very high power density
- Low DCR
- Compact and thin design
- High permeability shielding to protect sensitive electronics

Applications

- Batteries and battery chargers
- Charging accessories and fast chargers
- Portable electronics
- Roamable electronics
- Drones and robotics
- IoT and industrial IoT
- Power tools
- AR / VR
- Wearables

AWCCA Series Part Number	Application	Dimensions (mm)	Inductance (μH)	DC Resistance (DCR) (Ω)
AWCCA-RX300200-102	RX Coil	$\text{Ø}30.0 \times 2.0$	$6.3 \pm 10\%$	140m Max
AWCCA-RX404012-102	RX Coil	$40.0 \times 40.0 \times 1.2$	$8.0 \pm 10\%$	80m Max
AWCCA-RX483205-103	RX Coil	$48.0 \times 32.0 \times 1.6$	$14.5 \pm 10\%$	80m Max
AWCCA-RX514012-F003	RX Coil	$51.0 \times 40.0 \times 1.2$	$8.5 \pm 10\%$	160m Max
AWCCA-TX520350-F001	TX Coil	$\text{Ø}52.0 \times 3.5$	$10.0 \pm 10\%$	65m Max
AWCCA-TX523517-102	TX Coil	$52.0 \times 35.0 \times 1.76$	6.3 Typ	80m Max
AWCCA-TX535315-101	TX Coil	$53.0 \times 53.0 \times 4.5$	$10.0 \pm 10\%$	55m Max
AWCCA-TX1005545-F002	TX Coil	$100.0 \times 55.0 \times 4.5$	$11.5 - 12.5 \pm 10\%$	<75m Max