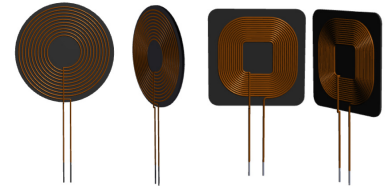


# AWCCA SERIES

## WIRELESS CHARGING COILS

Miniature Coils

Lower Profile



AWCCA-15N15H06

AWCCA-20R20H08

## AWCCA SERIES

Abrakon extends its range of Wireless Charging Coils with a specific focus on miniaturization and profile reduction. These new package sizes offer a wider selection for designers to choose from and eliminate the need for customized solutions.

### Features

- Wider selection of miniature transmit and receive side coils
- Sizes from as small as  $\text{Ø}15 \times 0.6\text{mm}$
- New designs offer alternative to custom solutions
- Reducing time to market
- Dual capability TX and RX coils
- New thin 0.5mm RX designs
- RoHS/RoHS II compliant

### Applications

- IoT end solutions
- Wearables
- Consumer electronics
- Medical monitoring
- Wireless charging stations
- Batteries and battery chargers
- Digital cameras and camcorders
- Mobile phones & charging accessories
- Power supplies
- Power tool manufacturers

AWCCA Series Part Number	Application	Dimensions (mm)	Inductance ( $\mu\text{H}$ )	DC Resistance (DCR) ( $\Omega$ )
AWCCA-20N20H20-C01-B	TX/RX Coil	$\text{Ø}20.0 \times 2.0$	6.3	150m $\pm 20\%$
AWCCA-20R20H08-C01-B	RX Coil	20.0 x 20.0 x 0.8	12.0	290m $\pm 20\%$
AWCCA-37R37H18-C01-B	RX Coil	37.0 x 37.0 x 1.8	10.0	160m $\pm 20\%$
AWCCA-30R30H05-C01-B	RX Coil	$\text{Ø}30.0 \times 0.5$	29.5	1.8 $\pm 20\%$
AWCCA-12R12H11-C01-B	RX Coil	12.0 x 12.0 x 1.1	8.0	520m
AWCCA-15N15H06-C01-B	TX/RX Coil	$\text{Ø}15.0 \times 0.6$	14.9	1.0 $\pm 20\%$
AWCCA-18R18H10-C01-B	RX Coil	$\text{Ø}18.3 \times 1.0$	10.5	330m
AWCCA-28R15H08-C01-B	RX Coil	28.0 x 15.0 x 0.8	7.5	500m $\pm 20\%$
AWCCA-30N30H20-C01-B	TX/RX Coil	$\text{Ø}30.0 \times 2.0$	6.3	140m $\pm 20\%$