## **C222x Coil Specification**

The Apple MagSafe charger uses a coil surrounded by a ring of magnets inside a sealed enclosure.

The coil area is 1213mm<sup>2</sup>
Number of turns: 10.6

• Frequencies: 127.7kHz (1W and 7.5W) & 360kHz (15W)

Power Rating: 15W (Max)Manufacturer: Apple

Model: C222x

• Number of turns: 10.6

• Antenna pattern: Radial pattern perpendicular to the coil

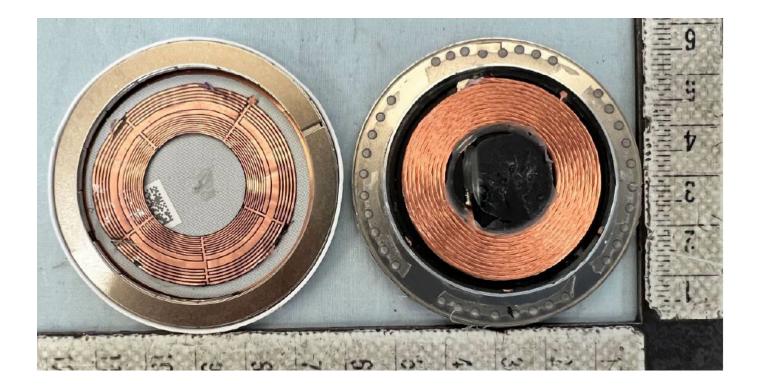
• Coil Area: 1213 mm<sup>2</sup>

• Length of any antenna loop element (or diameter of the circular antenna): 39.3mm

• Quarter wavelength for 127.7kHz is 587.3 meters

• Quarter wavelength for 360KkHz is 208.3 meters

• Connection type to transmitter: Soldered directly to drive circuit on PCBA.



## **AirPods Coil information:**

Manufacturer: FINE ELECTRONICS INDUSTRIAL (HK) LIMITED

Model: A11a

Temperature: 25 C

Wire Gauge: 40AWG (0.08\*105P)

Number of turns: 10

Frequency Range: 111-148kHz

Power rating: 5WPeak gain: N/A

• Antenna pattern: Radial pattern perpendicular to the coil above the ferrite base

• Coil Area: 1520 mm<sup>2</sup>

• Length of any antenna loop element (or diameter of the circular antenna): 44mm

• Quarter wavelength for each frequency: 506-682m

• Connection type to transmitter: Soldered directly to drive circuit on PCBA.

