

3D WIRELESS POWER RECEIVING COILS

Using the RX-3D receive coils will improve wireless charging in your devices and accessories by capturing more of the available field from a wireless power transmitter. These coils improve overall power capture in a small footprint.

Available as bare or packaged components or as part of a development and evaluation board. Packaged components can have integrated half-wave or full-wave rectifier circuits, and can be shipped with or without on-board storage.

PROPERTIES	TEST CONDITIONS		VALUE			UNIT	TOL.
			Coil X	Coil Y	Coil z		
Inductance	128 kHz	L	62	62	60	uH	+/-10%
Q-factor	128 kHz	Q	14.0	14.0	5.6		Typ.
Rated Current	AWG standard	IR	17.5	17.5	13.7	mA	Max.
DC Resistance	@ 20°C	RDC	3.6	3.6	8.8	ohm	Typ.
Self resonant frequency		fres	5.5	5.5	5.1	MHz	+/-10%

PART NUMBER	PROPERTY	DESCRIPTION	UNITS
RX-3D-000		Bare part, wire leads	
	Dimensions	0.459 x 0.459 x 0.122	inches
	(LxWxH)	11.66 x 11.66 x 3.10	mm
	Mass	0.0353	ounces
	Mass	1	gram

FEATURES:

- Small & Lightweight
- Ease of alignment
- Available rectifying circuit
- Available on-board energy storage
- Available in many other configurations, see Configuration Table for details.

