



Wireless Power Transfer Coils

2018



Transmitter Coils
Coil Arrays
Receiver Coils



Wireless Power Design Kit 15 W

Order Code 760 308MP, Version 1.0



Würth Elektronik and ROHM Semiconductor put together a plug & play wireless power solution to demonstrate the advantages of wireless power and to give you the opportunity to test and integrate a wireless power solution to your product design.

Available at your Würth Elektronik sales representative or online at: www.we-online.com/wirelesspower



The Wireless Power Kit provides many added values:

- Plug & Play 15 W Wireless Power Design Kit, Extended Power Profile (EPP)
- Meets the Qi Standard of the Wireless Power Consortium (WPC)
- Complete solution consisting of Tx, Rx and LED load module
- Flexible and modular approach for fast integration of wireless power in your product design

Content:

- ROHM Transmitter Board BD57020MW with WE 760 308 110
- ROHM Receiver Board with WE 760 308 102 207
- LED Load Module
- Quick Start Guide
- Power supply with EU, US and UK Adapter

Strategic partnerships with all major chip set suppliers



Application Areas of Wireless Power Transfer



Medical Technology

Wireless Power Transmission allows easy and aseptic cleaning of medical devices. Hermetically sealed housing is possible with no contact degradation by aggressive solvents.



Industry

Wireless Power Transmission solves problems in harsh, wet and dirty environments and increase the reliability of the device.



Furniture

Wireless Power Transmission used in furniture for charging smart phones, tablets and smart watches.



eMobility

Wireless Power Transmission enables energy transfer for different vehicles and devices in the field of eMobility.



WIRELESS POWER

Wireless Power Transmitter Coil

Electrical properties									
	Order Code	L (μ H)	R _{DCmax} (Ω)	I _R (A)	I _{sat} (A)	Q	SRF (MHz)	Size	Compliance
	760 308 101	24.0	0.100	6	10	90	6	5353	Qi – A1
	760 308 105	6.3	0.025	13	16	55	20	5353	Qi – A5
	760 308 110	24.0	0.100	6	10	180	5	5353	Qi-A10; MP-A1/A7
	760 308 100 110	24.0	0.100	6	10	180	5	Ø 50	Qi-A10; MP-A1/A7
	760 308 111	6.3	0.020	13	16	80	20	5353	Qi-A11; MP-A11
	760 308 100 111	6.3	0.048	6	10	120	24	Ø 50	Qi-A11; MP-A11
	760 308 104 113	12.0	0.072	8	12	120	16	6052	Qi – A13
	760 308 141	10.0	0.030	9	16	140	11	5353	Qi – A29; MP-A5
	760 308 100 141	10.0	0.030	9	16	180	11	Ø 50	Qi – A29; MP-A5
NEW	760 308 101 141	10.0	0.030	9	16	220	11	Ø 50	Qi – A29; MP-A5
	760 308 103 102	10.0	0.055	7	10	130	11	5353	Qi – MP-A2
NEW	760 308 103 146	8.5	0.056	8	16	140	11	5547	Qi-MP-A8
	760 308 102 142	5.8	0.012	18	30	100	12	5353	works with Qi Tx IC's
	760 308 100 143	6.0	0.018	12	24	180	16	Ø 50	works with Qi Tx IC's
	760 308 102 144	19.5	0.045	9.5	20	220	5	5555	works with Qi Tx IC's
	760 308 101 103	6.5	0.200	3	8	35	20	Ø 30	works with Qi Tx IC's
	760 308 101 104	6.5	0.125	2.5	6	42	20	Ø 20	works with Qi Tx IC's
	760 308 101 105	3.3	0.083	3	6	30	20	Ø 20	works with Qi Tx IC's
	760 308 101 302	5.3	0.035	8	10	100	27	Ø 50	works with Qi Tx IC's
	760 308 101 304	6.3	0.048	6	10	115	16	Ø 48	works with Qi Tx IC's
	760 308 102 308	3.0	0.030	8.5	15	60	27	5030	works with Qi Tx IC's
	760 308 106	12.5-11.5-12.5	0.065	9	10	125	14	13055	Qi-A6
	760 308 104 119	12.0-11.5	0.057	8	12	130	12	8852	Qi-A19
	760 308 104 120	6.9-6.4-6.9	0.045	9	12	100	15	9250	Qi-A28
NEW	760 308 103 148	6.9-6.4	0.052	8.5	20	120	15	7161	Qi-A28
NEW	760 308 103 145	11.3-11.3-11.3	0.083	8.5	24	150	10	10956	Qi-MP-A6
NEW	760 308 103 147	8.5-7.5-8.5	0.056	9	18	145	11	10055	Qi-MP-A8

Wireless Power Receiver Coil



Electrical properties

	Order Code	L (μH)	$R_{\text{DC max}}$ (Ω)	I_{R} (A)	I_{sat} (A)	Q	SRF (MHz)	Size	Compliance
	760 308 201	10.0	0.20	3.50	8.0	50	15	3737	Qi
	760 308 103 202	12.0	0.20	3.00	6.0	33	13	4832	Qi
	760 308 103 203	12.0	0.36	1.55	3.0	21	11	4832	Qi
	760 308 103 204	16.7	0.43	2.00	4.0	32	11	3830	Qi
	760 308 103 205	11.0	0.20	2.50	4.0	30	16	3426	Qi
	760 308 103 206	7.5	0.38	1.55	3.0	16	23	2815	Qi – Airfuel Alliance
	760 308 102 207	8.0	0.08	5.00	10.0	30	16	4040	Qi
	760 308 101 208	13.0	0.50	0.80	2.0	17	26	\emptyset 10	Qi
	760 308 101 208A	18.0	0.65	0.70	2.0	18	24	\emptyset 10	Qi
	760 308 102 210	7.5	0.18	3.00	6.0	45	22	3737	Qi – Airfuel Alliance
	760 308 103 211	7.3	0.20	2.50	5.0	28	12.7	4636	Qi – Airfuel Alliance
	760 308 102 212	5.4	0.24	2.00	4.0	18	25	2929	Qi
	760 308 102 213	7.9	0.33	1.70	4.0	18	21	2929	Qi – Airfuel Alliance
	760 308 101 214	26.0	0.52	1.10	2.0	25	11	\emptyset 19	Qi
	760 308 103 215	14.3	0.19	3.00	8.0	40	8.8	4832	Qi
	760 308 101 216	7.2	0.44	0.5	1.0	10	32	\emptyset 6	Qi
	760 308 101 217	24.2	1.40	0.4	1.0	13	17.5	\emptyset 10	Qi
	760 308 101 219	11.8	0.75	0.7	1.5	13	22	\emptyset 15	Qi
	760 308 101 220	12.6	0.34	1.1	2.5	20	19	\emptyset 17	Qi
NEW	760 308 101 221	24.0	1.15	0.4	1	16	10	\emptyset 6	Qi
	760 308 101 303	47.0	0.50	1.50	3.0	25	8	\emptyset 26	Qi
	760 308 103 305	8.8 / 1.4	0.220 / 0.100	2.6 / 5.0	5.0 / 5.0	30 / 47	22 / 16	4544	Qi – Airfuel Alliance – NFC
	760 308 102 306	8.0 / 1.4	0.400 / 0.100	2.0 / 5.0	5.0 / 5.0	19 / 47	17.5 / 19	4444	Qi – Airfuel Alliance – NFC
	760 308 103 307	7.8 / 1.6	0.340 / 0.90	1.5 / 4.0	3.0 / 7.0	19 / 47	22 / 24	4027	Qi – Airfuel Alliance – NFC
NEW	760 308 101 309	10	0.45	1.5	5	20	19	\emptyset 26	Qi



more than you expect

Würth Elektronik eiSos differs from all other component manufacturers in several aspects:

- We guarantee all catalogue products are available ex stock
- Samples free of charge
- Orders below MOQ
- Design kits with lifelong free refill
- Design Guide Trilogy of Magnetics, Trilogy of Connectors, Abc of Capacitors, Abc of Power Modules & Application Handbook The LTspice IV Simulator
- Design Seminars and Webinars free of charge
- Reference designs of leading IC manufacturers
- Worldwide technical sales force and field application engineers on site

