

Receiving Coil Module For Wireless Charging

TDK Parts number : TMx-66-2M7(5V) , TMx-58-2M7(7V)

Halogen- Free

Features:

- This is Rx turnkey solution including Receiving Coil with Attractor and module for Wireless Charging
- Pre Cracked Ferrite is available for Durable construction
- Flexible sheet type is available
- Very thinner total module product. Max thickness is 1.0mm
- Custom design is available based on each design requirements

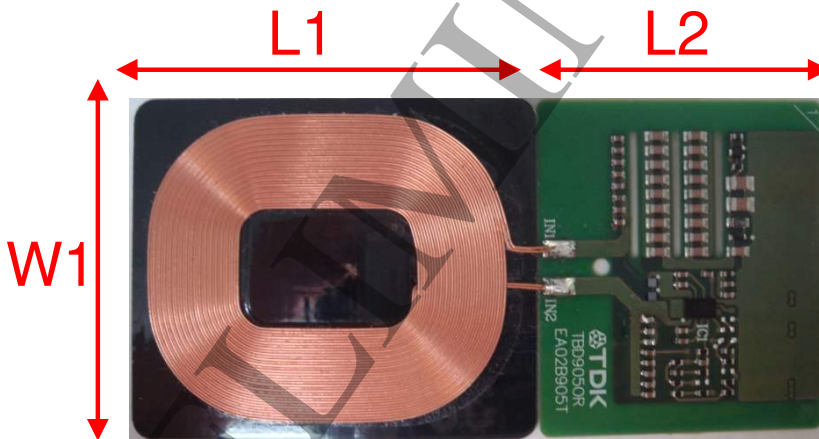
Typical Electrical Values in Rx coil unit (For Information only)

Inductance (uH) @100kHz, 1Vrms	Rdc (mOhms) at 25°C	Q @100kHz, 1Vrms
10 - 30 uH (Typical 11uH *5V) (Typical 25uH *7V)	0.18-0.5 Ohms (Depend on type of wire)	24 (Rdc:0.30-0.50Ohms)

Typical Electrical Values in Rx module (For Information only)

IC Information	Output Voltage Output Current	Efficiency [%]
BQ51013 BQ51010 (TI wireless charging IC)	4.95 - 5.05 [V] (BQ51013) 6.70 - 7.10 [V] (BQ51010) 0.5 - 0.7 [A] (TBD)	70% Ref.

Dimension in mm



Eff. Is just Ref. Value

TDK Parts number	W, L1, L2 dimension [mm]	Thickness [mm] *	Efficiency [%]
TMx-66-2M7(5V)	W1: 32mm L1:38mm L2:28mm	Max 1.00mm (Coil) Max 0.94mm (Module)	70% Ref.
TMx-58-2M7(7V)	W1: 32mm L1:38mm L2:20mm	Max 1.00mm (Coil) Max 0.94mm (Module)	70% Ref.

* Contact us for more informatin

Contact Windows For More Information

US	Chris Burket	chris.burket@us.tdk.com
EU	Michael Chinn	chinn@eu.tdk.com
Japan	Shuichi Hashiyama	hshuichi@jp.tdk.com
TTW	Takahiro Oishi	Takahiro_Oishi@tw.tdk.com
China	ROY YU	roy.yu@cn.tdk.com
Korea	Youngsoo m Kim	youngsoo_kim@kr.tdk.com