

3. Transmitter characteristics发射端特性:

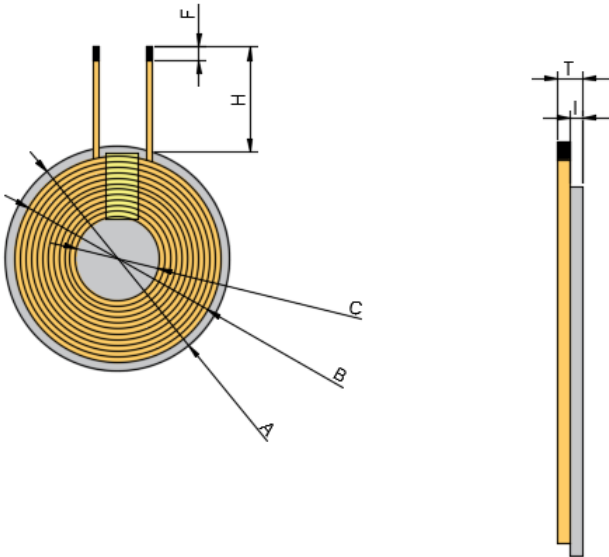
Input voltage range 输入电压范围	4.2~15V DC
Onput voltage range 输出电压范围	5~14.5V DC
Input current range 输入电流范围	0~3A
Interface 接口	TYPE C
Output Power 输出功率	5W, 7.5W, 10W, Max30W
Temperature protection 过温保护	Temperature protection exceeds 76 ° C, power reduction at 65 ° C, and recovery at 45 ° C 超过 76 度保护，65 度降功率，45 度恢复
Coil over-current protection 线圈过流保护	6A
Input Overvoltage Protection 输入过压保护	15.9V±0.2V
Charging frequency 充电频率	110~205KHz
Charging efficiency 充电效率	(5W, 7.5W, 10W, 30W) >80%
Charging distance 充电距离	最大 5mm
FOD 异物	The deviation of coins/iron plates within 15mm of the center of the phone coil can be detected within 20 seconds and the red light flashes 硬币/铁片在手机线圈中心 15mm 以内偏移能在 20 秒内被检测到且红灯闪烁
Short-circuit Protection /短路保护	Move the testing rack to the center of the Demo coil, and after the charging power stabilizes, physically short circuit the coil/load ends of the testing rack to ensure normal operation of the test 测试架到 Demo 线圈中心位置，待充电功率稳定后，物理短接测试架的线圈/负载两端，测试能够正常工作
Static power consumption 静态功耗	<200mA
Input Undervoltage Protection /输入欠压保护	4.0V±0.2V
ON-OFF/Input Test 开关输入测试	Set the test stand to 15W and place it in the center of the coil. After the power stabilizes, turn off the power output and repeat 10 times. 测试架设置为 15W 放置到线圈中心位置，待到功率稳定后关闭电源输出，重复 10 次。
Wireless charging protocol 无线充电协议	Qi-BPP/EPP/Private Qi-BPP/EPP/私有

4.LED indication LED 显示指示:

RED 红色	Standby: red light is always on, FOD foreign matter: red light flashes 待机红灯常亮、FOD 异物红灯闪烁
Green 绿色	Charging: green light is always on, full charge: light flashes 充电绿灯常亮、充满绿灯闪烁

5. Transmitter coil parameters 发射端线圈参数:

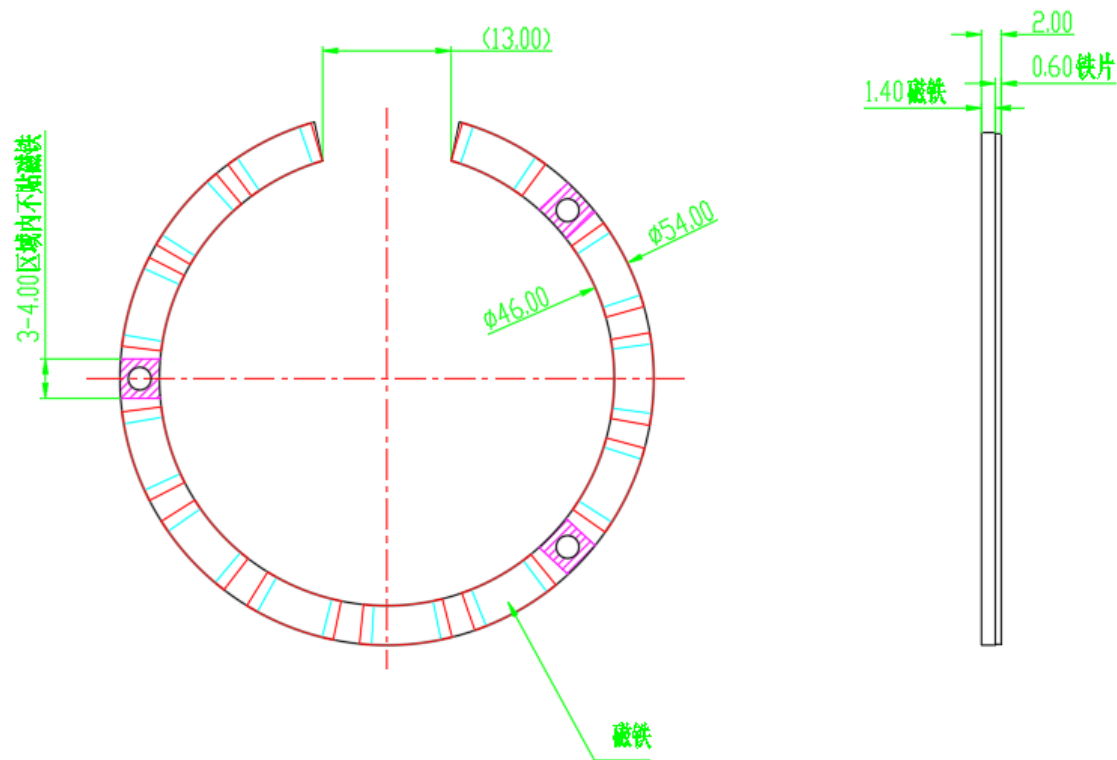
Model 型号	A11
Parameter 参数	7.6uH+/-5%
Size 尺寸	Diameter 43.5+/-0.5mm
Wire 漆包线	Φ 0.08-80P 2UEW
Solder 焊锡	XCD-907B
Ferrite 磁片	43.5 * 0.8 slot width 1.5MM small double slot ferrite hard magnet 43.5*0.8 槽宽 1.5MM 小双槽 铁氧体硬磁



Note: Wrap 6MM (ref) high-temperature adhesive tape around the coil outlet position。
注：线圈出线位置缠绕 6MM（ref）高温胶纸

标准	A	B	C	H	F	I	T	
STD	43.5±0.5	39.0±1.5	18±0.5	11±1	2±0.5	0.8±0.15	2.1Max	

6. Magnetic 磁铁



Item 项目	规格
Material 材质	Permanent magnet rare earth neodymium iron boron 永磁稀土钕铁硼
Article number 品号	N52
Br	≥14.2 (Kgs)
HcJ	≥12.0 (Koe)
HcB	≥10.5 (Koe)
(BH) Max	49~53
Size 尺寸	6.5*2*1.2*16+0.9
Maximum Gaussian of circular magnet 环形磁铁最大高斯	4000GS±100GS