

Specification

技术规格书

1. Appearance 产品外观:



2. Product Introduction 产品简介：

XG05Pro has magnetic attraction function, supports Qi BPP/EPP/private protocol, and has a maximum output power of 15W. Its appearance adopts a cylindrical design, simple and fashionable, with a comfortable feel. The bottom shell color is black, and the surface shell color is black. The cylinder has a diameter of 62.0mm, a thickness of 24.3mm, and a weight of 82g.

XG05Pro 具有磁吸功能，支持 Qi BPP/EPP/私有协议,最大输出功率 15W。其外观 采用圆柱设计，简约时尚,手感舒适，底壳颜色为黑色，面壳颜色为黑色。圆柱直径为 62.0mm ，厚度为 24.3mm，重量为 82g。

3. Transmitter characteristics发射端特性：

Input voltage range 输入电压范围	4.2~14V DC
Onput voltage range 输出电压范围	5~14V DC
Input current range 输入电流范围	0~3.4A
Interface 接口	TYPE C
Output Power 输出功率	Max 15W
Temperature protection 过温保护	Temperature protection exceeds 80 ° C, power reduction at 70 ° C, and recovery at 50 ° C 超过 80 度保护，70 度降功率，50 度恢复
Coil over-current protection 线圈过流保护	5A
Input Overvoltage Protection 输入过压保护	14.1V±0.2V
Charging frequency 充电频率	110~205KHz
Charging efficiency 充电效率	(5W, 7.5W, 15W) >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 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

Short-circuit Protecti on /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	4.2V±0.2V
ON-OFF/Input Test开关输入 测试	Set the test stand place it in the center of the coil. After the power stabilizes , turn off the power output and repeat 10 times. 测试架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。
Enter charging protocol 输入充电协议	TFCP ADC PD2.0 QC2.0
Wireless charging protocol 无线充电协议	Qi BPP/EPP/private protocol

注意：请使用功率至少不低于30W的充电器给手机使用，否则会影响使用体验和无线充电功率
Note: Please use a charger with a power of at least 30W for your mobile phone, otherwise it will affect the use experience and wireless charging power.

4. Fans风扇参数

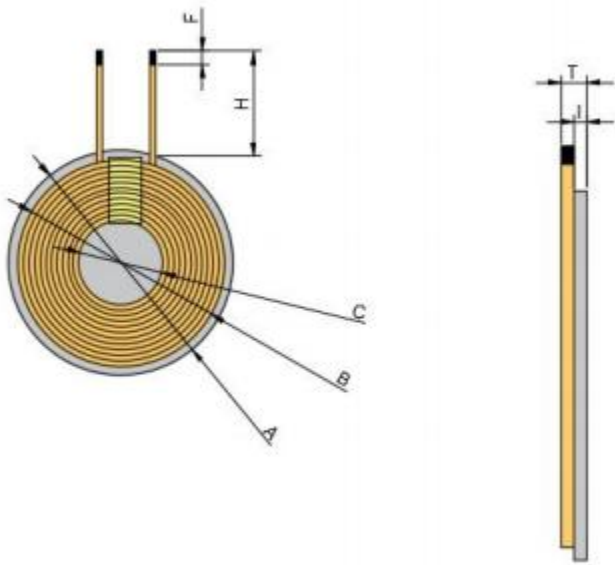
序号NO.	项目Item	规格Specification	单位Unit
1	外观尺寸（SHAPE DIMENSIONS）	40*40*07	MM
2	轴承类别（BEARING TYPE）	Sleeve bearing	ONE
3	额定电压（Rated Voltage）	5	VDC
4	工作电压（Operating Voltage）	3--6.5	VDC
5	启动电压（Starting Voltage）	≤3	VDC
6	额定电流（Rated Current）	0.15	A
7	锁定电流(Lock Current)	≤0.30	A
8	输入功率(Input Power)	0.75	W
9	转速（Speed）	5500RPM±10%	RPM
10	最大风量（零静压时）Max. Air Flow(At Zero Static Pressure)	4.76	CFM
11	最大风压（零风量时）Max. Air Pressure(At Zero Air Flow)	2.32	mmH2O
12	噪音值（Acoustical Noise）	26.8	dB (A)
13	运转温度（Operating Temperature）	-10 ~ +70	C°
14	储存温度(Storage Temperature)	-40 ~ +75	C°

5. TEC 制冷片参数

序号NO.	项目Item	单位Unit	规格Specification	
1	最高使用温度 Maximum operating temperature	T	<90℃	
2	最大功率Max power	Qmax	8W	真空检测Th=30℃
3	温差temperature difference	△Tmax	>63℃	微机检测Th=30℃
4	输入电压Input voltage	Vmax	5V	真空检测Th=30℃
5	最大温差电流Input current	Lmax	1.8A	真空检测Th=30℃
6	致冷器电阻值Resistance value	R	2.2±0.15Ω	环境温度Th=25℃±2
7	外观尺寸SHAPE DIMENSIONS	mm	(23±0.5) × (23±0.5) ×4.0±0.1mm	
8	工作温度范围 Operating Temperature	℃	-55℃—+80℃	

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

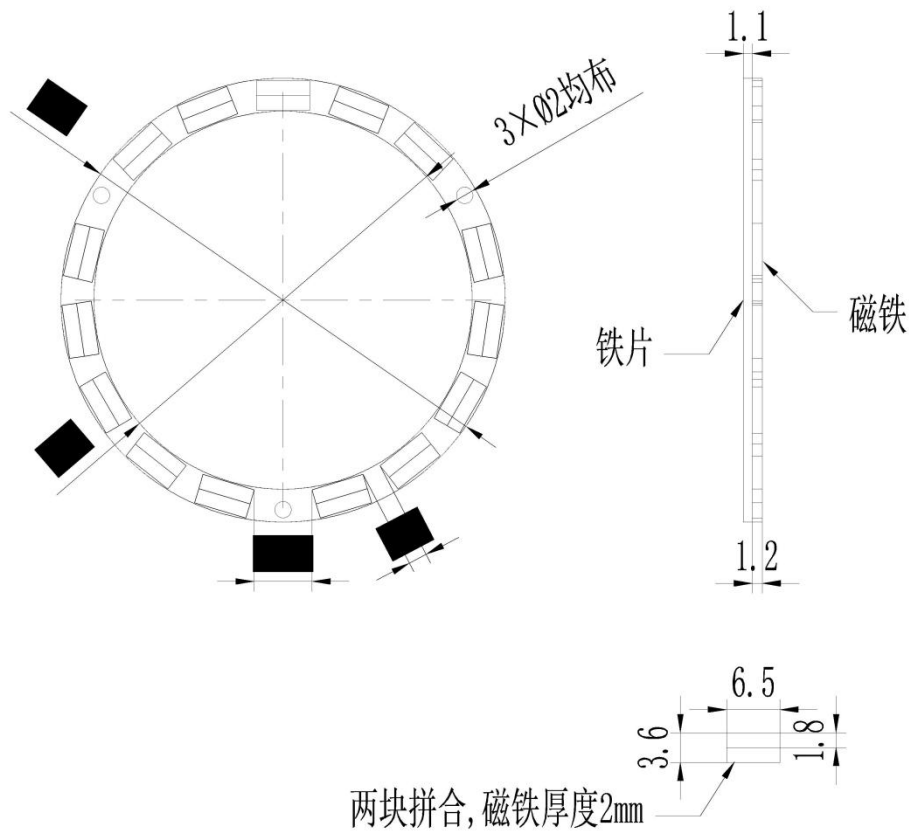
Model 型号	MG12
Parameter 参数	7.1uH+/-5%
Size 尺寸	Diameter 43.50+/-0.5mm
Wire 漆包线	φ 0.08-80P 2UEW
Solder 焊锡	XCD-907B
Ferrite 磁片	43.5 * 0.8 slot width 1.5MM small double slot ferrite hard magnet 43.5*0.8 槽宽 1.5MM 小双槽 铁氧体硬磁



Note: Wrap 3MM (ref) high-temperature adhesive tape around the coil outlet position 注：线圈出线位置缠绕 3MM（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	20±1	2±0.5	0.8±0.15	2.1Max	

7. 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	≥11.0 (Koe)
HcB	≥10.5 (Koe)
(BH) Max	49~53
Size 尺寸	6.5*3.6*1.2*16+1.1
Maximum Gaussian of circular magnet 环形磁铁最大高斯	4000GS±100GS