

深圳市澳智鑫电子科技有限公司

Shenzhen aozhixin electronic technology co., ltd
Product acceptance letter

SPECIFICATION FOR APPROVAL

Customer confirmati on /Customer Admit	Customer name /Customer	Shenzhen Bei si mei ke electronic technology co., ltd
	Customer item /Cust P/N	
	Product name /Name	DT-G50-F40 Wireless Single Charge Coil Assembly
	Specification /Part No	0.08*105P*10Ts,G50*5.3*1.0mm,L slot, 40MM outlet.
	Date /Date	2023/12/18
	Version /Version	V2.2
	Draw up /Design By	Cao hengbing
	Review /Check.By	
	Approval/approval by	
	Material code	

Shenzhen aozhixin electronic technology electronics co., ltd

Floor 4, Building 4, Silian Shantang Industrial Zone, Henggang Street, Longgang District, Shenzhen

Shenzhen aozhixin electronic technology co., ltd

III. Remarks /Remark:

3. 1 This product meets the management requirements of environmentally related substances.

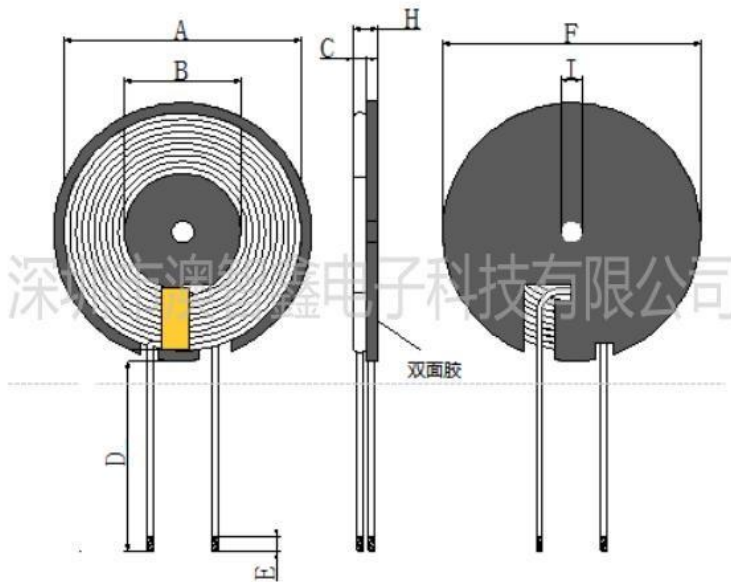
Above product comply to li yin Environmental material system requirement.

3. 2 If it is not sent back, the order placed by your company will be passed as a sample!

In Event Of No Sign Back, We Will Under Take P.O. As Acceptance To Sample Approval!

IV. product specification /Product Specification

4.1 Appearance & size (Unit: mm)



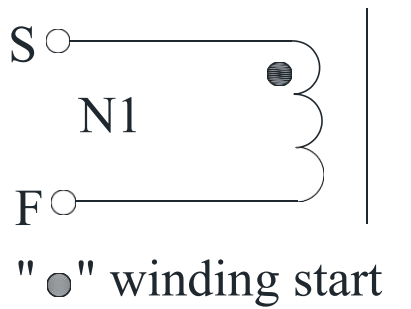
A	43.0±0.8
B	20.5±0.5
	1.2±0.5
C	40±2.0
	3.0±2.0
D	50±0.6
	2.7Max
E	5.3ref

Precautions:

1. Single coil of covered wire;
2. Wrap 5-8mm (wide) polyimide tape for 1.5Ts; at the outlet position;
3. The coil body must not be loose, and there must be no gap greater than 1/3 of the wire diameter;
4. The coil is stuck at the right center of the magnetic sheet;
5. Two leads are led out from the big and small slots of the magnetic sheet respectively;
6. Ordinary white double-sided adhesive tape is attached to the back of the magnetic sheet;
7. The surface of the magnetic sheet shall be glossy and even in color, and there shall be no dust or magnetic powder on the surface that will affect the sticking film or adhesive.

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4.2 Schematic diagram /SCHEMATIC DIAGRAM:



4.3 Winding parameters /Winding Specification:

serial number NO.	post TERMINAL		Wire Diameter WIRE	cylinder number Turns	direction of winding Winding Direction
one	S	F	Wire wrapped 0.08*105P	10Ts	CCW

4.4 ELECTRICAL CHARACTERISTICS:

TEMPERATURE:25±10°C C, humidity: 65 20%.

serial number NO.	project ITEM	post TERMINAL	standard SPECIFICATION	test condition TEST FREQUENCY	TESTEQUIPMENTS
one	LS	S-F	6.5uH±10%	100KHz/1.0V	UC2856B
2	DCR	S-F	45mΩ Max		ZX5512B

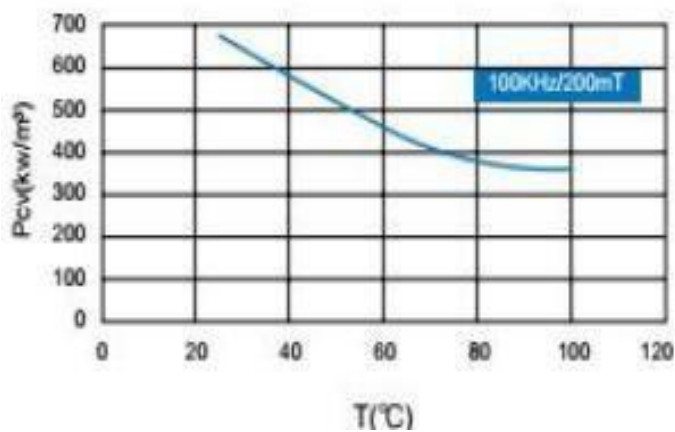
V: Magnetic Disk Characteristics Material Characteristics: (Attached Sheet)

5.1 MAIN PARAMETERS

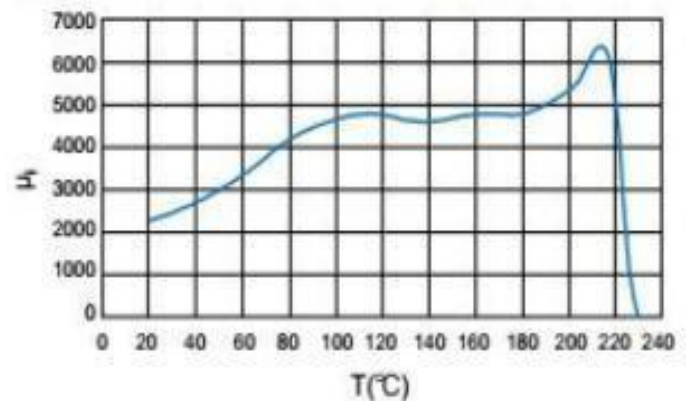
NO	parameter	code name	unit	test condition	BP40	
one	initial permeability Initial permeability	Ui	\	25°C	2300±25%	
2	saturation flux density Saturation flux density	Bs	mT	H=1194A/m	25°C	510
					100°C	390
three	power loss Pcv Power Loss	Pc	Kw/m ³	25°C,100kHz,200mT	650	
				100°C,100kHz,200mT	450	
four	curie point Curie temperature	Tc	°C		≥215	
five	density Density	d	Kg/m ³		4.8×103	

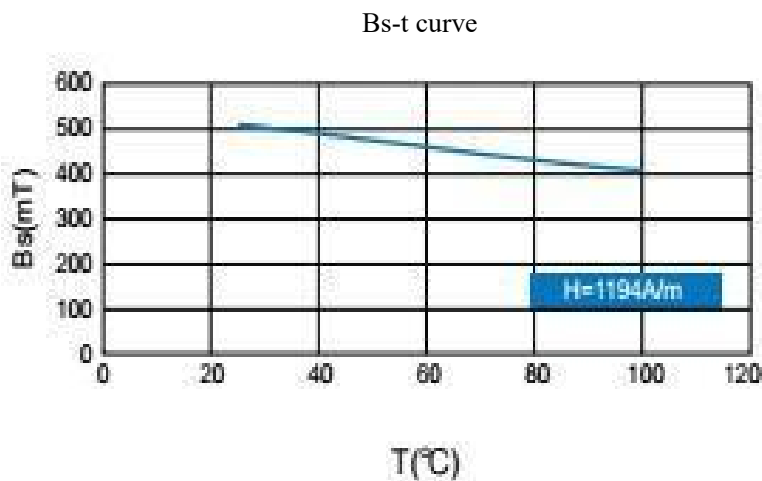
5.2 Material Characteristics Curve

Pcv-t curve



μ I-T curve





5.3 Appearance size: AQL=1.0/ electrical performance (L) :AQL=0.65.

- ① Cleanliness: The surface of the magnetic sheet is shiny, with uniform and smooth color and no obvious looseness. There must be no dust or magnetic powder on the surface of the magnetic sheet that affects the film sticking or gluing.
- ② Disruption and damage of magnetic disk: the allowable standards for each damaged part are $\leq 5\text{mm}$ in length, $\leq 1.0\text{mm}$ in width and $\leq 0.5\text{mm}$ in depth, and the interval between every two damaged parts is 1 mm. It is judged as a broken part, and each product is allowed to accept 3 broken parts within this standard.
- ③ Cracks: Only two inconspicuous cracks with a length less than 5mm and a width less than 0.5mm are allowed in the magnetic core, and cracks and delamination that affect the electromagnetic performance and mechanical strength of the magnetic core are not allowed.
- ④ Yin and Yang surfaces: the dimensions are within the tolerance range, so inspection is not required.
- ⑤ Crystal spots and bright spots: the crystals on the ground surface are $\leq 2\text{mm}$, and the number of single sides is < 3 .
- ⑥ Surface flatness: The allowable concave-convex depth of the surface is $\leq 0.08\text{mm}$ (in principle, there are no obvious line marks).
- ⑦ Mechanical strength: $\geq 1\text{kg}$ (instrument: intelligent DSZ-500N pressure gauge)