ROHS

Shenzhen Aozhixin electronic technology electronic Co., LTD

SPECIFICATION FOR FLASHLENS

★Customer:	Shenzhen Huisen Technology Co., Ltd
★Customer item:	B225.QIA11X.019
★Product model:	TD-43.5-F100
★Description:	Single coil component
★Code	MnZn
★Samples Q'ty:	3PCS
★Issue Date:	2023.11.25

(Record)	Version	Revise Date	Revise Contents
	H013	2023.11.25	New order

★（CUSTOMER CONFIRM）	
	Date of Receipt:
	Received by:

■ Statement: The products comply with ROHS REACH standard Please confirm and fax to us , thank you ！	★Our Confirmation Section (Supplier)			
	Quality	Research and Development Department		
	QE Audit Checked By	Approved	Checked By	Prepared By
				Chao Heng Bing

Quality policy, enterprising innovation, excellence, the pursuit of excellence.

Form Number: Edition

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SPECIFICATION FOR APPROVAL

Customer Admit	Customer	Shenzhen Huisen Technology Co., Ltd
	Cust P/N	B225.QIA11X.019
	Name	TD-43.5-F43 single coil assembly
	Part No	0.07*100P*11Ts, G43.5*5.3*1.0mm, L-slot, lead 100mm
	Date	2023/11/25
	Version	H013
	Design By	Chao Heng Bing
	Check.By	
	Approve By	

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一、Sample Submission Reason

[√] 1.New SPEC [ ] 2.New Material [ ] 3.ECR

二、Request For New SPEC.

Rev.	Before Change	After Change	Change Date	Approved By

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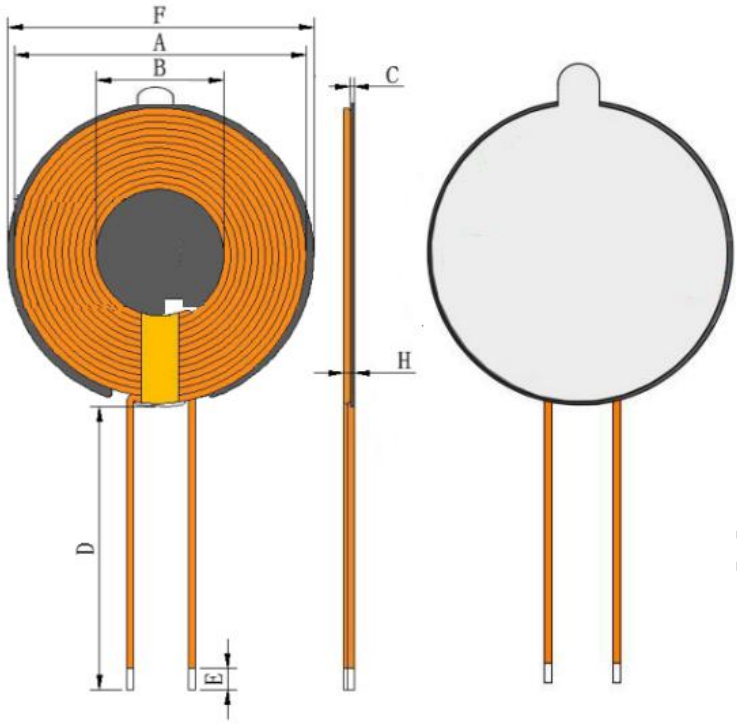
三、Remark:

3.1 Above product comply to li yin Environmental material system requirement.

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

四、Product Specification

4.1 (Unit: mm)



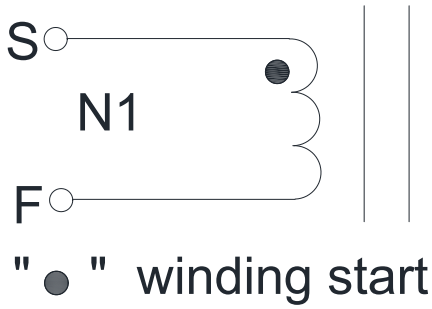
A	38.5±0.8
B	15.8±0.5
C	1.0±0.15
D	100±3.0
E	3.0±2.0
F	43.5±0.6
H	2.7Max
I	5.3ref

Notes:

1. Please ensure that the translation is accurate and error-free Single coil of silk-covered wire
2. Wrap the outboard position with 5-8mm (width) of 1.5Ts polyimide tape.
3. The coil body should not be loose and there should be no gap larger than 1/3 of the wire diameter.
4. The coil should be pasted at the center of the magnetic sheet.
5. The surface of the magnetic sheet should be smooth, with uniform color and no dust or magnetic powder that may affect the film application or adhesive.
6. The back of the magnetic sheet should be pasted with ordinary white double-sided tape.

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4.2 原理图 /SCHEMATIC DIAGRAM:



4.3 Winding Specification:

NO.	TERMINAL		WIRE	Turns	Winding Direction
1	S	F	Silk covered wire 0.07*100P	11Ts	CCW

4.4 ELECTRICAL CHARACTERISTICS:

TEMPERATURE:25±10° C, RELATIVE HUMIDITY:65±20%

NO.	ITEM	TERMINAL	SPECIFICATION	TEST FREQUENCY	TESTEQUIPMENTS
1	LS	S-F	6.4uH±10%	100KHz/1.0V	TH2830
2	DCR	S-F	55mΩ±10%		ZX5512B

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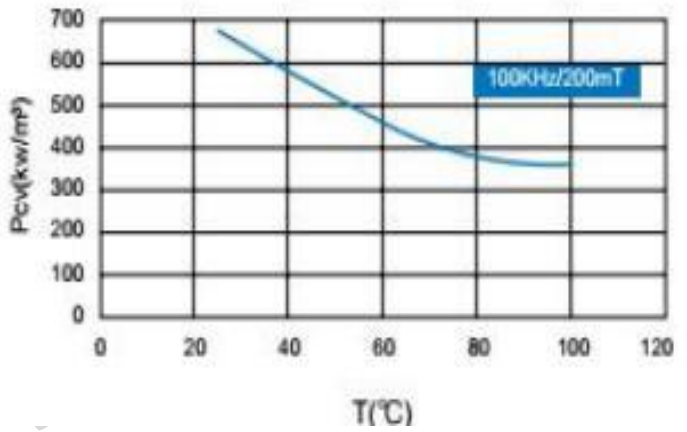
五：Material Characteristics:

5.1 MAIN PARAMETERS

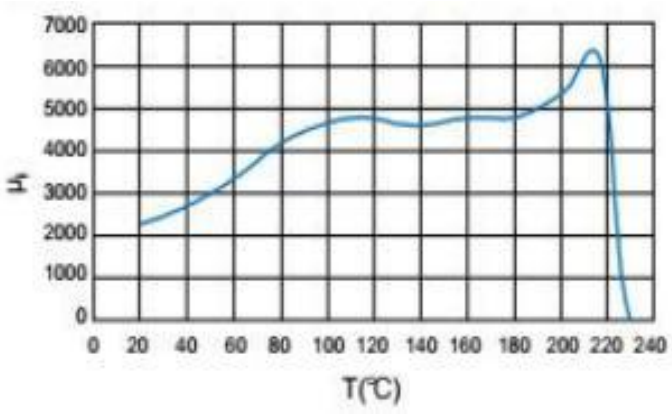
NO	Parameters	Code name	Organization	Test conditions		BP40
1	Initial penrmeability	Ui	\	25℃		2300±25%
2	Saturation flux density	Bs	mT	H=1194A/m	25℃	510
					100℃	390
3	Pcv Power Loss	Pc	Kw/m³	25℃,100kHz,200mT		650
				100℃,100kHz,200mT		450
4	Curie temperature	Tc	℃			≥215
5	Density	d	Kg/m³			4.8×10^3

5.2 Material Characteristics Curve

Pcv—T

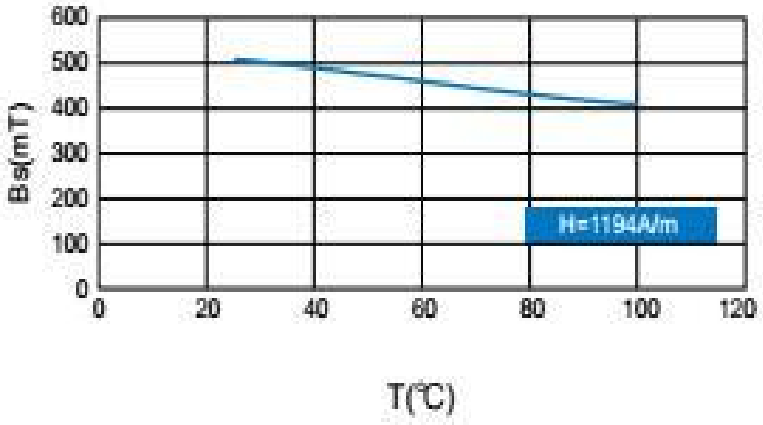


μi—T



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Bs—T



5.3 Appearance Size :AQL= 1.0/ Electrical performance (L) :AQL=0.65

① Cleaning: the surface of the magnetic disc luster, uniform color, smooth, no obvious loose phenomenon. The surface of the magnetic disc shall not have dust or magnetic powder that affects the film or glue Present.

② magnetic disc block, damage: the allowable standard for each damage is length ≤5mm, width ≤ 1.0mm, depth ≤ 0.5mm, and the interval between each two damage places is 1mm
The determination of the inside is a damage, and each product is allowed to accept 3 damages within this standard.

③ Crack: The magnetic core is only allowed to exist two long less than 5mm, width less than 0.5mm of the non-obvious crack exists, is not allowed to affect the magnetic core electromagnetic performance and Mechanical strength cracks and lamination.

④ Yin and Yang surface: the size is not inspected within the tolerance range.

⑤ Crystal spot, bright spot: grinding surface crystallization ≤2m, the number of single sides < 3.

⑥ Surface flatness: the surface allows concave and convex depth ≤0.08mm (in principle, it is not allowed to have obvious line marks).

⑦ Mechanical strength: ≥1kg (Instrument: DSZ-500N pressure gauge)

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