

新葉科技（東莞）有限公司
SINYOTechnology(Dongguan)co., Ltd.
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Dongguan City, Guangdong Province, China
TEL: 0769-86551123 FAX:

SAMPLE SPECIFICATION FOR APPROVAL

Customer	PYS High-Tech Co., LTD
Part Name	Coil
SINYO Part No.	21.46x39.3x0.08x65Px11TS-05
Customer Part No.	702-090000-099
Rev.	A2
Date	2025.06.18

Customer Approved And Signature

SINYO Approved

bingxiang xie

1.Sample Submission Reason

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1.New SPEC

☐

2.New Material

☒

3.ECR

2.Request For New SPEC.

Current	Request	Reason

Remark:

1.Important When Sample Approved,Please Sign And Returned By Fax,Before Place Order Inorder To Fulfill Our ISO Requirement !

2. Above product comply to SINYO Environmental material system requirement.

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

CONTENTS

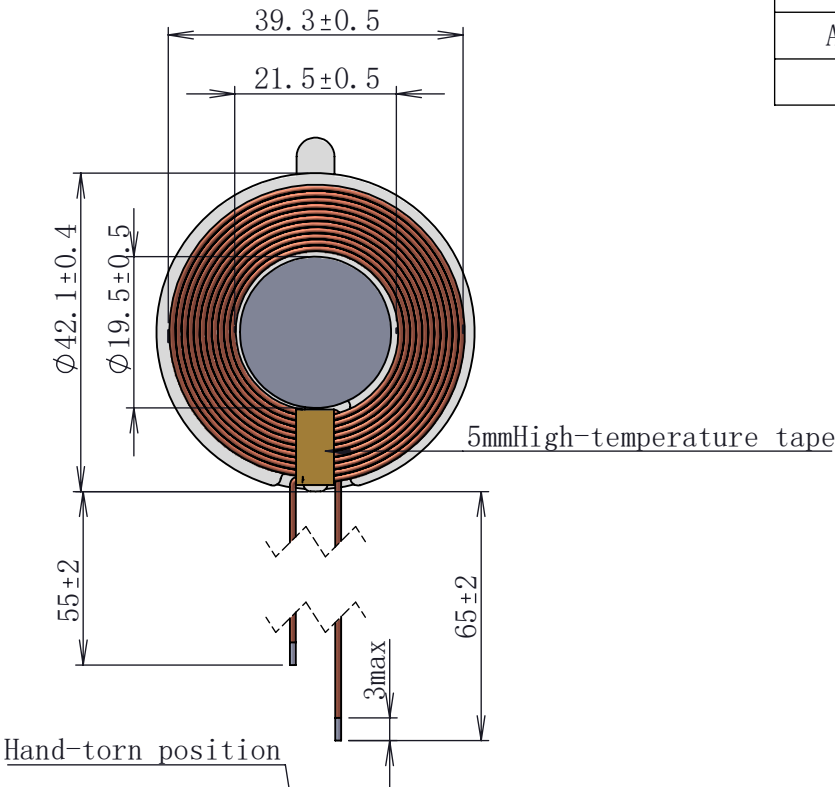
	Pages
1.Product Specification	Page 1
2.Contents	Page 2
3.Version Change History	Page 3
4.Drawing	Page 4
5.Electrical Characteristic	Page 5
6.Material List	Page 6
7.Manner of packing	Page 7
8.Reliability Test	Page 8



Version Change History

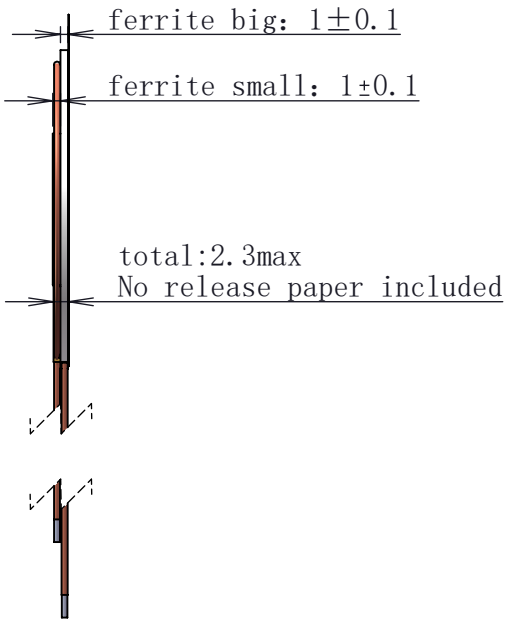
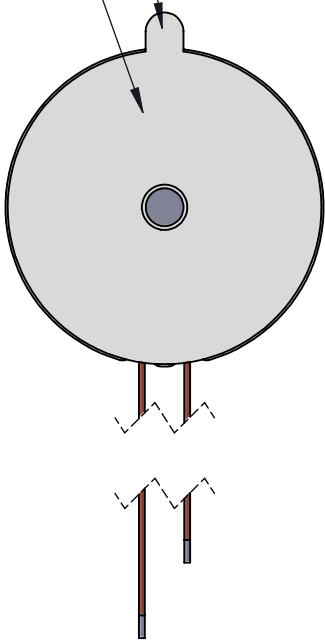
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REV	Update Record	DATE	passed
A0	First edition		
A1	Coil structure changes		
A2	Change the output line to a cross output line.		

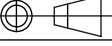


Hand-torn position

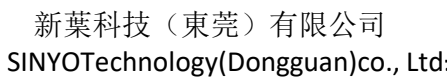
This surface has adhesive.



Storage temperature:25±10℃ ;
Humidity:< 80%RH
Working temperature:80℃ max
Ferrite technology requirements:
1.Use manganese zinc BP40
2.The parts must be smooth and clean, without any dents or irregularities.
3.The product must comply with environmental protection standards.
Coil technology requirements:
1.Winding direction: CCW
2.Wire specifications: 0.08mm*65P Enamelled twisted wire
3.Coil specifications: COIL, ID21.46*39.3*0.08*65P*1P*11TS
4.Incoming line length65±2mm, Output line length55±2mm; Welding length3mm max.
5.The winding must be neat and the surface enamel layer must not be damaged;
6.The product meets the halogen-free requirements.
Finished product electrical specifications:(@1V 100KHZ)
Finished product (coil ferrite)LS :8.5uH±5%
RDC:80 mohm(max)
RAC:160 mohm(max):

		新葉科技（東莞）有限公司		Title	TX COIL	REV	A2
Sinyo Technology		Sinyo Technology(Dongguan) Co.,Ltd		Figure number	21.46x39.3x0.08x65Px11TS-05	PAGE	1:1
				Part number	702-090000-099	UNIT	mm
General work error	±0.02mm ±0.5°	Projection perspective		Dispose		DATE	2025/6/18
1. Not injected edge chamfer C0.5; 2. The following table shall prevail for the unmarked tolerance 3. Key Inch Method*				APPD	Bingxiang xie		
				CHKD			
				DRAW	Weiwei		

 新葉科技（東莞）有限公司 SINYOTechnology(Dongguan)co., Ltd. ELECTRICAL CHARACTERISTIC									
CUSTOMER			Part Name				SINYO PART NO. CUSTOMER PART NO.		
PYS High-Tech Co., LTD			Coil				21.46x39.3x0.08x65Px11TS-05 702-090000-099		
ELECTRICAL SPECIFICATION									
1. Inductance: 8.5±5% uh			TEST CONDITION 100KHZ/1.0V				instrument NO.: Comprehensive Tester		
2. Rdc Resistance: 80 mohm MAX			25℃				instrument NO.: Comprehensive Tester		
3. Rac Resistance(160 ohm MAX)			TEST CONDITION 100KHZ/1.0V				instrument NO.: Comprehensive Tester		
SINYO Sample test list									
ELECTRICAL TEST DATA:									
Part Name: COIL Test Data: 2025.06.18									
Part NO.:21.46x39.3x0.08x65Px11TS-05 Part NO.of wire specification: 2UEW-HB0.08*65P /Checker:Ares xie									
CUST. PART No: 702-090000-099									
ELECTRICAL CHARACTERISTIC									
			SAMPLE					Judge	
			NO.1						
1. Inductance(8.5±5% μH)			8.47	8.40	8.40	8.38	8.45	OK	
2. /DC Resistance(80mohm MAX)			68.30	67.11	66.80	68.32	68.10	OK	
3. Rac Resistance(160 ohm MAX)			62.53	63.12	64.12	62.31	63.15	OK	
二.SIZE									
TEST ITEM	Parameter	Conditions	SAMPLE					Equipment	Judge
			NO.1	NO.2	NO.3	NO.4	NO.5		
Thickness	2.3mm max	—	2.07	2.10	2.15	2.11	2.09	Callipers	OK
Lead wire length	S=65±2.0mm	—	65.50	65.00	65.20	65.80	65.20	steel ruler	OK
Lead wire length	F=55±2.0mm	—	55.50	55.80	55.00	55.90	55.10	steel ruler	OK
Solder length	3.0 mm max	—	2.50	1.80	2.50	2.80	2.90	steel ruler	OK
ferrite/O.D.	42.1±0.4	—	42.16	42.06	42.16	42.11	42.27	Callipers	OK
ferrite/O.D.	19.5±0.5	—	19.58	19.42	19.60	19.52	19.50	Callipers	OK
coil /O.D.	39.3±0.5mm	—	39.31	39.58	39.20	39.16	39.57	Callipers	OK
coil /I.D.	21.46±0.5mm	—	21.67	21.66	21.63	21.58	21.66	Callipers	OK
新葉科技（東莞）有限公司 SINYOTechnology(Dongguan)co., Ltd. FAX:0769-86551123			Prepamed by		Reviewed By		Approved By		Rev.A2
			bingxiang xie		bingxiang xie		weiwei		



Material List

[illegible]

Prepared By: bingxiang xie

Approved By: wei wei

 新葉科技（東莞）有限公司 SINYOTECHNOLOGY (DONGGUAN) CO., LTD.	COIL Manner of packing
customer: PYS High-Tech Co., LTD part name: COIL part NO: 21.46x39.3x0.08x65Px11TS-05 /702-090000-099	

Packaging method



Foam tray packing
specification:360*260*60mm (20孔)
15pcs/hole
300pcs/tray
carton (REF)
specification: 390*290*280mm k=k
4tray/box
1200pcs/box

Wireless charging coil storage mode	
Part number	21.46x39.3x0.08x65Px11TS-05
Foam tray packing	4tray/box
Store humidity	No more than 80% RH
Storage temperature	25℃±10%
Storage time	3 months (1 year for the coil body, 3 months for the tinned part of the
Environmental aspects	Separation of environmentally friendly and non-environmentally friendly
Acceptance	First in, first out

remark:1.Each bundle of COIL should be placed close together in the carton, and the middle should be comfortably separated to alleviate the shaking of the coil in the carton



Reliability Test

新葉科技（東莞）有限公司
SINYOTechnology(Dongguan)co., Ltd.

S

customer: PYS High-Tech Co., LTD
part name: COIL
part NO.: 21.46x39.3x0.08x65Px11TS-05/702-090000-099

Date: 2025-06-18

(ITEM)	Experiment condition	Test method(Describe the experiment)	remark
Bond Strength	15G MIN	Tie the two lead wire of coil on the pulling force machine, pull the coil vertically downward until the lead wire loose away from the coil the record the data.	
Constant temperature and humidity	Temperature: 55±3°C, Relative Humidity: 95%±3%	Place the sample in a constant temperature and humidity environment at a temperature of 55±3°C and a relative humidity of 95%±3% for 24 hours. After this, let it recover at room temperature for 2 hours before inspection. The product surface must not have any defects such as corrosion, bubbling, or peeling.	