

SINYOTechnology(Dongguan)co., Ltd.
Room 101, No. 43, Lianjian Lou Street, Huangjiang Town, Dongguan City, Guangdong Province

TEL: 0769-86551123

FAX:

SAMPLE SPECIFICATION FOR APPROVAL

Customer	PYS High-Tech Co., LTD
Part Name	Coil
Liyin Part	SINYO MP-A11-11
Customer Part No.	702-090000-079-01
Rev.	A0
Date	2025.07.08

Customer Approved And Signature

SINYO Approved

Xie bingxiang

1.Sample Submission Reason



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.

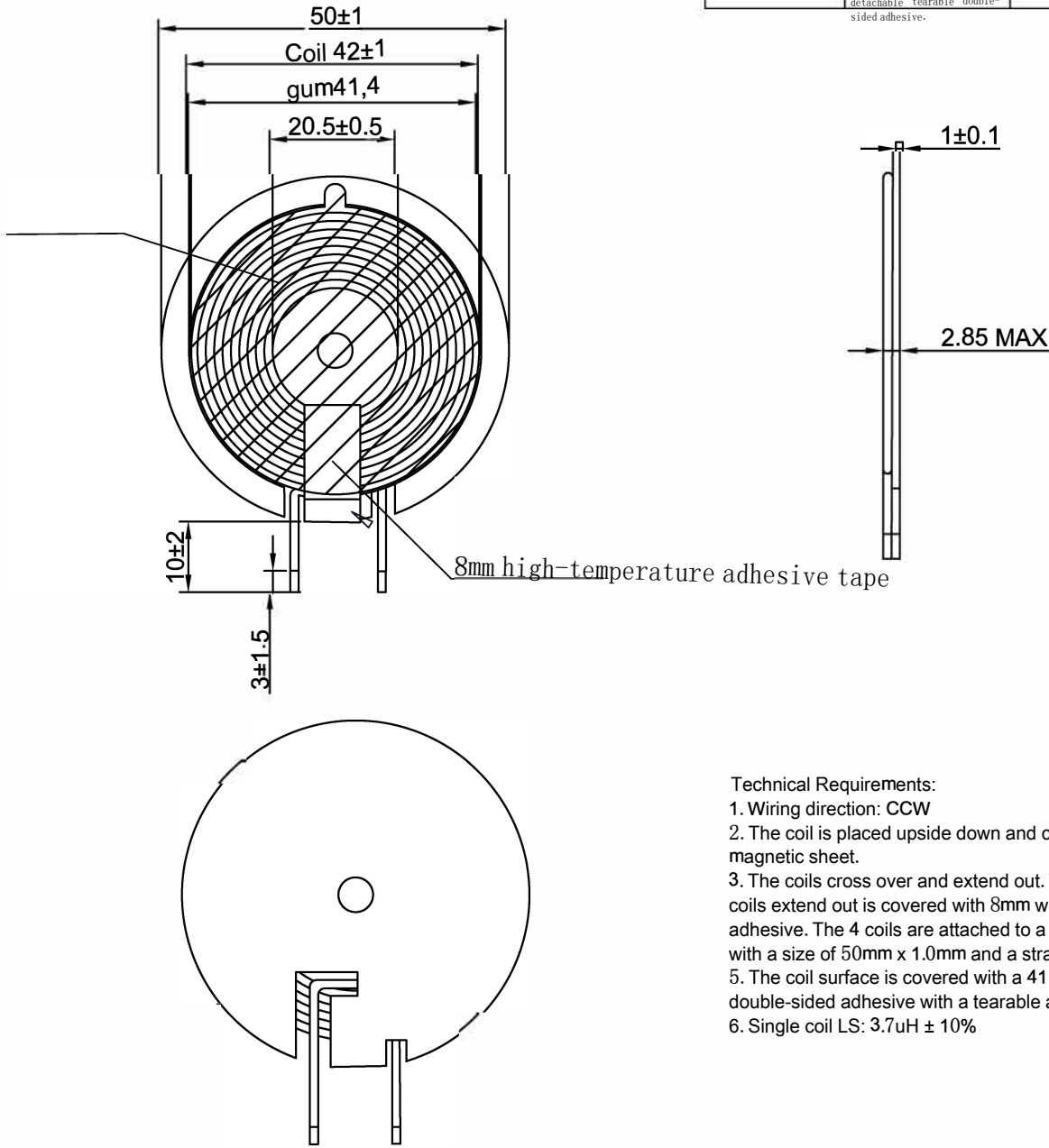
In Event Of No Sign Back,We Will Under Take P.O. As Acceptance To Sample Approval!



Version Change History

[illegible]

Version	Update	Date	Pass
A0	FirSt edition releaSe		
A1	The coil surface is coated with CP41410.05mm with a detachable tearable double-sided adhesive.	2025/7/8	



- Technical Requirements:
1. Wiring direction: CCW
 2. The coil is placed upside down and centered against the magnetic sheet.
 3. The coils cross over and extend out. The position where the coils extend out is covered with 8mm wide high-temperature adhesive. The 4 coils are attached to a hard magnetic sheet, with a size of 50mm x 1.0mm and a straight slot.
 5. The coil surface is covered with a 41.4mm x 0.05mm ordinary double-sided adhesive with a tearable area.
 6. Single coil LS: 3.7uH $\pm$ 10%

Mire specification			Minding specification		
diameter	Strands	Enamel-cover type	Turns	strands	Layer
0.08 (AWG40)	105	Grade 3	10	1	1
Electrical specification			Shielding		
DCR	Q	Inductance	Permeability		Bs
45m Ω max		6.3 μ H $\pm$ 10%	ferrite	μ' @100khz=3300 $\pm$ 20% μ'' @100kh $\leq$ 500	$\geq$ 300mT



SINYOTechnology(Dongguan)co., Ltd.

ELECTRICAL CHARACTERISTIC

CUSTOMER	Part Name	SINYO PART NO. CUSTOMER PART NO.
PYS High-Tech Co., LTD	Coil	SINYO MP-A11-11 702-090000-079-01

一. ELECTRICAL SPECIFICATION

1. Inductance: 6.3±10% uh	TEST CONDITION 00KHZ/1.0V	instrument NO.: general-purpose tester
2. Rdc Resistance 45mΩMAX	25℃	instrument NO.: general-purpose tester

sample test list

ELECTRICAL TEST DATA

Part Name: COIL

Test Data: 2025.7.8

Part NO.:SINYO MP-A11-11

Part NO. of wire specification: 3USTC-ZNB/155
0.08*105P

Checker:Ares xie

~~CUST. PART No: 702-090000-079-01~~

二. ELECTRICAL CHARACTERISTIC

	SAMPLE					Judge
	NO.1					
1. Inductance(6.3±10% μH)	6.41	6.46	6.35	6.49	6.47	OK
2. DC Resistance(45mΩMAX)	35.20	35.50	35.30	35.20	35.20	OK

二. 尺寸SIZE

TEST ITEM	Parameter	Conditions	SAMPLE					Equipment	Judge
			NO.1	NO.2	NO.3	NO.4	NO.5		
Thickness	2.85mm max	—	2.40	2.50	2.40	2.40	2.50	Callipers	OK
Lead wire length	S=F=10±2.0mm	—	9.50	10.00	9.80	10.10	10.00	Callipers	OK
Solder length	3±1.5mm	—	2.50	3.00	3.20	2.90	3.50	Callipers	OK
O. D.	42±1mm	—	42.02	42.05	42.06	42.05	42.02	Callipers	OK
I. D.	20.5±0.5mm	—	20.35	20.42	20.45	20.42	20.43	Callipers	OK
Outer diameter of the magnetic disk	50±1mm	—	49.20	49.30	49.20	49.20	49.20	Callipers	OK

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Prepared by

Xie bingxiang

Reviewed By

Xie bingxiang

Approved By

Wei wei

Rev.01



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Material List

CUSTOMER			Part Name	SINYO PART NO. CUSTOMER PART NO.
PYS High-Tech Co., LTD			COIL	SINYO MP-A11-11 702-090000-079-01
/NO.	Material name	Material part NO.	Manufacturer	
1	Copper wire	3USTC-ZNB/155 0.08*105P		
2	Lead-Free Solder	HT-99.9%Sn		
3	Foam plate	360 x 260 x 60 (25 holes)		
4	Glue	SH-8536		
5	Feerite	Ø50*1.0		
6	gum	ø41.4*0.05mm		
7	high-temperature tape	8mm dark brown		

Prepared By:

Xie bingxiang

Approved By: Wei wei

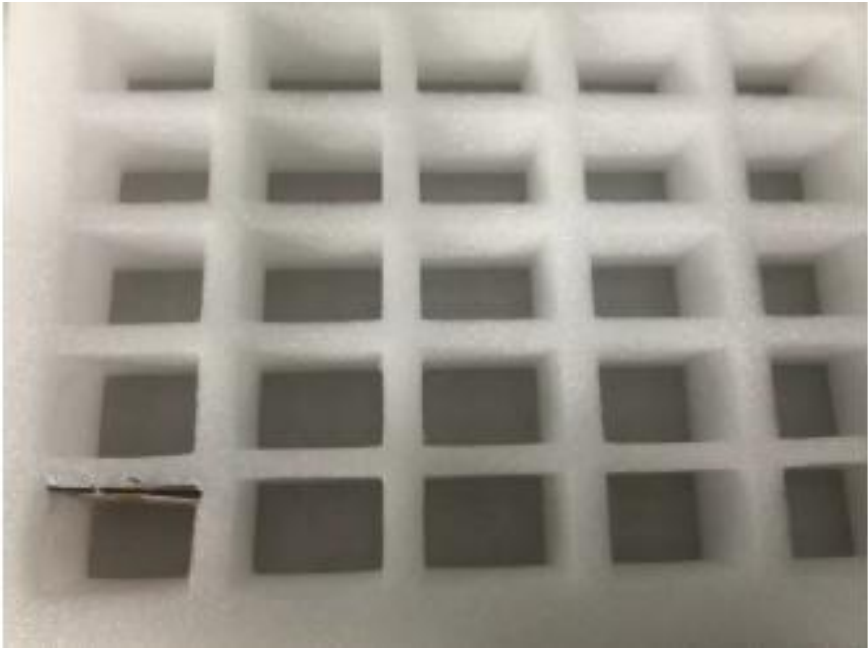


SINYOTEchnology
(Dongguan)co. , Ltd.

Manner of
packing

Cilent: PYS High-Tech Co., LTD
Product name: COIL
Product number: / SINYO MP-
A11-11 /702-090000-079-01

packing



Foam disc packaging
Specification: 360*260*60mm (25 holes)
12 pieces per hole
300 pieces per tray
Carton (REF)
Specification: 390*290*280mm k=k (with reinforcement)
4 pieces per box
1200 pieces per box

Note: 1. Each bundle of COIL should be placed tightly inside the cardboard box, with sufficient space in between to prevent the coils from shaking within the box.

Prepared By: Xie bingxiang

Approved By: Wei wei



Reliability Test

SINYOTechnology(Dongguan)co.,Ltd.

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customer: PYS High-Tech Co., LTD
part name: COIL
part NO.: SINYO MP-A11-11 /702-090000-079-01

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Date: 2025-7-8

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.	
/Pinhole test	12V/1minutes	Put the COIL into the pinhole test solution to see if the COIL itself is red.	