



ISO9001-2015
Certificate No:672022020207194

No.T52210311961TC Date;OCT 12,2022 No.T52310270397TC Date;apr 15,2023
TEL: 19166347631 13423947631

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承認書

SPECIFICATION FOR APPROVAL

客户名稱
CUSTOMER

品名規格
DESCRIPTION HYCD2035-0930A

客户料號
CUS. P/N

提出日期
DATE 2025.05.12

出圖 DRAWING		
發行 MADE	復核 CHECKED	確認 APPROVED
李光赫	方煜镗	梁琼
销售部：张 丽		

承 認 CUSTOMER APPROVE



深圳市航宇磁电有限公司

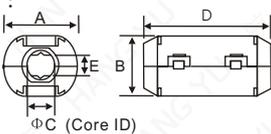
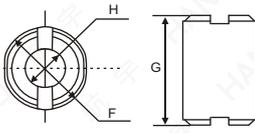
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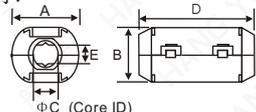
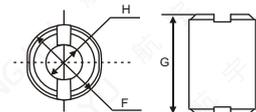
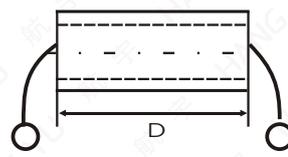
承 認 書

SPECIFICATION FOR APPROVAL

客戶名稱 CUSTOMER		日期 DATE	2025.05.12																														
規格 ITEM	HYCD2035-0930A	編號 SERIAL NO.																															
<p>1.1. 形狀尺寸(單位/毫米): SHAPE & DIMENSION(unit/mm):</p> <p>1.2. 實物圖: The Sample::</p> <p>外觀尺寸: </p> <p>磁芯尺寸: </p> 		A	19.5 ± 1.0 mm																														
		B	18.0 ± 1.0 mm																														
		C	9.0 ± 0.8 mm																														
		D	35.0 ± 1.0 mm																														
		E	5.5 ± 1.0 mm																														
		F	16 ± 0.5 mm																														
		G	28 ± 0.7 mm																														
		H	9 ± 0.4 mm																														
<p>2. 電氣性能檢測項目: ELECTRICAL REQUIREMENTS:</p>		<p>測試儀器 TEST INSTRUMENTS</p> <p>1. Q-METER: ○ HP 4342A ○ MQ-172</p> <p>2. L.C.R. METER: ○ HP 4284A</p> <p>3. IMPEDANCE ANALYZER: ○ HP 4396B ○ HP 4191A ØE4991A ØAgilent 16194A-TESTFIXTURE</p> <p>4. L-METER: ○ TH 2817A</p> <p>5. DIGITAL MINI-OHMMETER: ○ VP2941A</p>																															
<input type="checkbox"/> L		TEST FREQ	KHZ MHZ																														
<input type="checkbox"/> Q		TEST FREQ	KHZ MHZ																														
<input checked="" type="checkbox"/> Z	Z1= 80Ω MIN	KHZ 25 MHZ	Z2=170Ω MIN																														
	Z3= /	KHZ MHZ	Z4= /																														
溫度 TEMP	℃	濕度 HUMIDITY	%																														
<p>綫組 WINDING Φ0.5x0.5TSx100L(mm)</p>																																	
<p>3. 外觀標準: 依下表對照檢索: THE LIMIT OF BREAKAGE: CHECKED BELOW:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>OD (mm)</th> <th>0~5</th> <th>5.1~10</th> <th>10.1~15</th> <th>15.1~20</th> <th>20.1~25</th> <th>25.1~30</th> <th>30.1~35</th> <th>35以上</th> </tr> <tr> <td>缺陷面积 Defect area (mm²)</td> <td>≦1</td> <td>≦2</td> <td>≦3</td> <td>≦4</td> <td>≦5</td> <td>≦6</td> <td>≦7</td> <td>≦8</td> </tr> <tr> <td>缺陷个数 Number of defects (≦)</td> <td>1</td> <td>2</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> </tr> </table>				OD (mm)	0~5	5.1~10	10.1~15	15.1~20	20.1~25	25.1~30	30.1~35	35以上	缺陷面积 Defect area (mm ²)	≦1	≦2	≦3	≦4	≦5	≦6	≦7	≦8	缺陷个数 Number of defects (≦)	1	2	3	3	3	3	2	2			
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<p>4. 材質特性 MATERIAL CHARACTERISTICS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>材料 牌號 Material</th> <th>初始磁導率 Initial Permeability</th> <th>比損耗因子 Relative Loss Factor</th> <th>比溫度系數 Relative Temperature Coefficient</th> <th>飽和磁通密度 Saturation Magnetic Flux Density</th> <th>剩磁 Reman- ence</th> <th>矯頑力 Coercivity</th> <th>居裏溫度 Curie Tempera- ture</th> <th>電阻率 Electrical Resistivity</th> <th>密度 Density</th> </tr> <tr> <th>Unit symbol</th> <th>μ_i ±20%</th> <th>Tan δ / μ_i ×10⁻⁶</th> <th>α μ_i γ ×10⁻⁶</th> <th>B_s (MT)</th> <th>Br (MT)</th> <th>HC (A/m)</th> <th>T_c (°C)</th> <th>ρ (Ω · m)</th> <th>d g/cm³</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>16 (0.1MHz)</td> <td>5 - 10</td> <td>280(1600A/m)</td> <td>200</td> <td>20</td> <td>>130</td> <td>>10⁵</td> <td>4.6</td> </tr> </tbody> </table>				材料 牌號 Material	初始磁導率 Initial Permeability	比損耗因子 Relative Loss Factor	比溫度系數 Relative Temperature Coefficient	飽和磁通密度 Saturation Magnetic Flux Density	剩磁 Reman- ence	矯頑力 Coercivity	居裏溫度 Curie Tempera- ture	電阻率 Electrical Resistivity	密度 Density	Unit symbol	μ _i ±20%	Tan δ / μ _i ×10 ⁻⁶	α μ _i γ ×10 ⁻⁶	B _s (MT)	Br (MT)	HC (A/m)	T _c (°C)	ρ (Ω · m)	d g/cm ³			16 (0.1MHz)	5 - 10	280(1600A/m)	200	20	>130	>10 ⁵	4.6
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檢驗數據

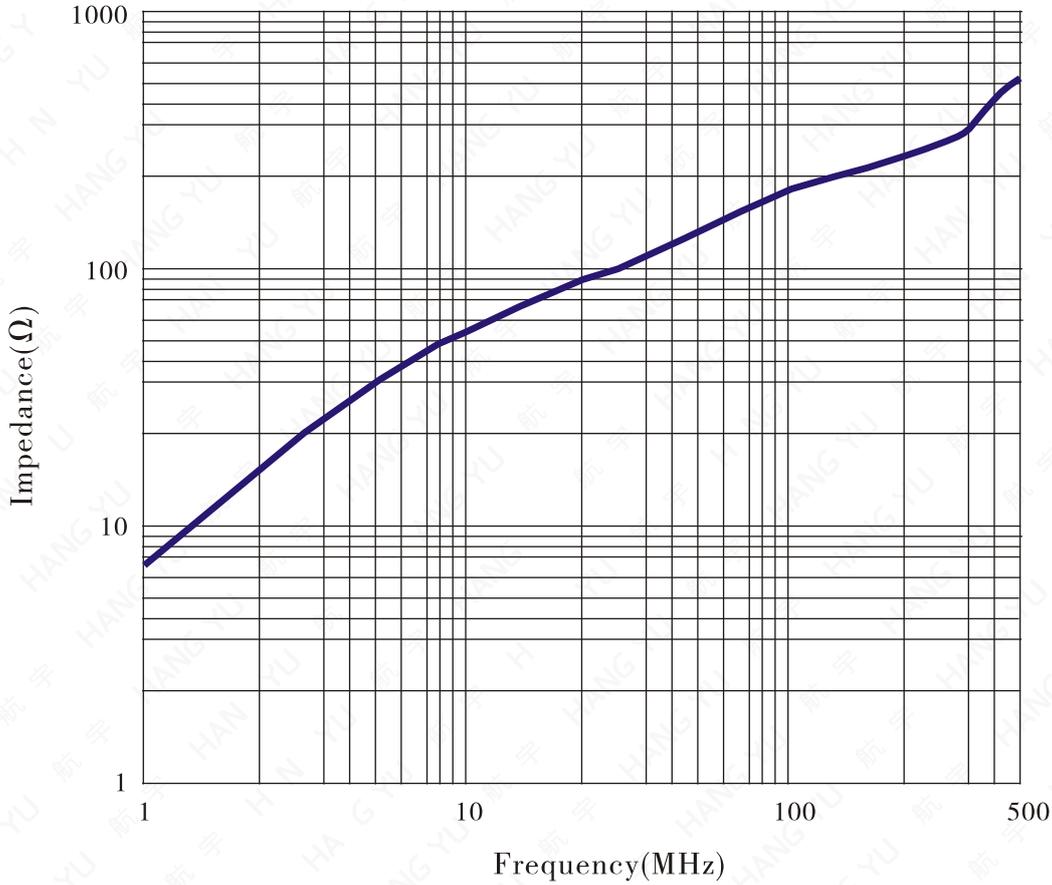
INSPECTION DATA

客戶名稱 CUSTOMER					日期 DATE	2025.05.12			數量 QUANTITY	5PCS		
編號 SERIAL NO.					1.1 形狀尺寸(單位:毫米): SHAPE & DIMENSION(unit/mm): 外觀尺寸: 					實物圖: The Sample: 		
規格 ITEM	HYCD2035-0930A											
繞組 WINDING	Φ0.5x0.5TSx100L(mm)				磁芯尺寸: 							
測試頻率 TEST FREQ	Z1= 25 KHZ MHz	Z2= 100 KHZ MHz	Z3= KHZ MHz	Z4= KHZ MHz								
溫度 TEMP	℃	濕度 HUMIDITY										
項目 TEST ITEM	電氣性能 ELECTRIC CHARACTERISTICS				尺寸(單位:毫米) DIMENSION(unit:mm)							
	Z1(Ω)	Z2(Ω)	Z3(Ω)	Z4(Ω)	A	B	C	D	E	F	G	H
	80	170			19.5	18.0	9.0	35.0	5.5	16	28	9
+	/	/			1.0	1.0	0.8	1.0	1.0	0.5	0.7	0.4
-	0	0			1.0	1.0	0.8	1.0	1.0	0.5	0.7	0.4
1	91.9	188.5			19.30	18.40	8.60	35.40	5.50	15.70	27.78	8.68
2	92.4	189.6			19.40	18.30	8.80	35.50	5.60	15.60	27.66	8.66
3	92.1	189.2			19.39	18.31	8.70	35.48	5.40	15.57	27.64	8.81
4	92.9	189.1			19.37	18.33	8.63	35.46	5.45	15.69	27.65	8.74
5	92.4	189.7			19.35	18.35	8.72	35.44	5.52	15.62	27.69	8.69
6	92.6	189.4			19.33	18.37	8.69	35.42	5.48	15.63	27.66	8.75
7	91.7	188.7			19.38	18.39	8.71	35.47	5.53	15.64	27.74	8.71
8	92.2	188.9			19.36	19.32	8.68	35.49	5.47	15.68	27.71	8.78
9	92.1	189.4			19.34	19.34	8.64	35.42	5.49	15.59	27.73	8.77
10	92.8	189.2			19.32	18.36	8.67	35.48	5.51	15.67	27.75	9.73
\bar{X}	92.65	189.53			19.35	18.34	8.68	35.45	5.49	15.63	27.70	8.73
Y/N	Y	Y			Y	Y	Y	Y	Y	Y	Y	Y
測試儀器: TEST INSTRUMENTS: E4991A+16194A 					檢 驗 INSPECTED	復 核 CHECKED	確 認 APPROVED					
					李光赫	方煜鎰	梁琮					

阻抗 - 頻率曲綫

IMPEDANCE V.S FREQUENCY (Z-Y)

客戶名稱 CUSTOMER		日期 DATE	2025.05.12
規格 ITEM	HYCD2035-0930A	編號 SERIAL NO.	



測試條件:
TESTING CONDITION:

- | | |
|---|---------------------|
| 1. 測試儀器:
Testing Equipment: | E4991A+16194A |
| 2. 測試頻率區間:
Testing Frequency Range: | 1-500MHz |
| 3. 測試綫組:
Testing Coil Specification: | Φ0.5x0.5TSx100L(mm) |

說明Note:

本承認書在客戶收到7天之內，須簽章返回，逾期視為默認。

The Specification Approval is required to be sent back to the supplier with customer's chop or signature on it within 4 days after receiving it, or we will take it as approved by customer automatically.

測試 TESTED	復核 CHECKED	確認 APPROVED
李光赫	方煜留	梁琮