



ISO9001-2015
Certificate No:672022020207194

No.T52210311961TC Date;OCT 12,2022 No.T52310270397TC Date;apr 15,2023

承認書

SPECIFICATION FOR APPROVAL

客户名稱
CUSTOMER

品名規格
DESCRIPTION F9 SCRC 35B

客户料號
CUS. P/N

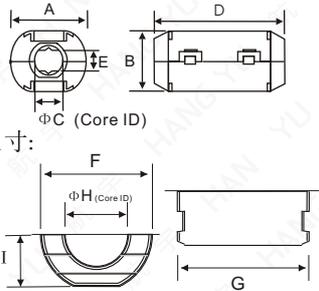
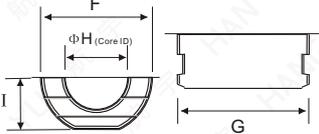
提出日期
DATE 2025.05.12

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

承 認 CUSTOMER APPROVE

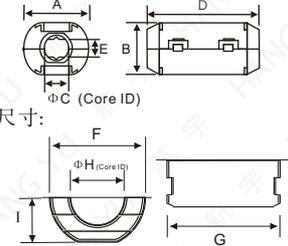
承 認 書

SPECIFICATION FOR APPROVAL

客戶名稱 CUSTOMER		日期 DATE	2025.5.12																														
規格 ITEM	F9 SCRC 35B	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>外殼尺寸:</p>  <p>磁芯尺寸:</p>  		A	13.0 ± 1.0 mm																														
		B	11.5 ± 1.0 mm																														
		C	5.0 ± 1.0 mm																														
		D	25 ± 1.0 mm																														
		E	2.5 ± 1.0 mm																														
		F	10 ± 0.5 mm																														
		G	20 ± 0.5 mm																														
		H	5 ± 0.5 mm																														
		I	4.6 ± 0.3 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 ∅E4991A ∅Agilent 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= 55 Ω MIN	KHZ 25 MHZ	Z2= 115 Ω MIN																														
	Z3= /	KHZ MHZ	Z4= /																														
溫度 TEMP	℃	濕度 HUMIDITY	%																														
綫組 WINDING	Φ0.5x0.5TSx100L(mm)																																
<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			
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																									
<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 Mate- rial</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>$\tan \delta / \mu_i$ ×10⁻⁶</th> <th>$\alpha \mu_i \gamma$ ×10⁻⁶</th> <th>Bs (MT)</th> <th>Br (MT)</th> <th>HC (A/m)</th> <th>Tc (°C)</th> <th>ρ (Ω · m)</th> <th>d g/cm³</th> </tr> </thead> <tbody> <tr> <td>F9</td> <td>1000</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 Mate- rial	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%	$\tan \delta / \mu_i$ ×10 ⁻⁶	$\alpha \mu_i \gamma$ ×10 ⁻⁶	Bs (MT)	Br (MT)	HC (A/m)	Tc (°C)	ρ (Ω · m)	d g/cm ³	F9	1000	16 (0.1MHz)	5 - 10	280(1600A/m)	200	20	>130	>10 ⁵	4.6
材料 牌號 Mate- rial	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%	$\tan \delta / \mu_i$ ×10 ⁻⁶	$\alpha \mu_i \gamma$ ×10 ⁻⁶	Bs (MT)	Br (MT)	HC (A/m)	Tc (°C)	ρ (Ω · m)	d g/cm ³																								
F9	1000	16 (0.1MHz)	5 - 10	280(1600A/m)	200	20	>130	>10 ⁵	4.6																								

檢驗數據

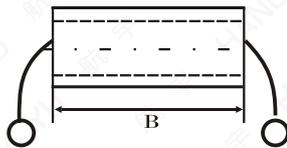
INSPECTION DATA

客戶名稱 CUSTOMER				日期 DATE	2025.5.12	數量 QUANTITY	10PCS
編號 SERIAL NO.				形狀尺寸(單位:毫米): SHAPE & DIMENSION(unit/mm): (Core diameter) 外殼尺寸:		實物圖: The Sample::	
規格 ITEM	F9 SCRC 35B						
綫組 WINDING	Φ0.5x0.5TSx100L(mm)			磁芯尺寸: 			
測試頻率 TEST FREQ	Z1= 25 KHZ	Z2= 100 KHZ	Z3= / KHZ				
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)	A	B	C	D	E	F	G	H	I
		55	115		13.0	11.5	5.0	25	2.5	10	20	5
+	/	/		1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.3
-	0	0		1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.3
1	69.2	146.8		13.06	11.93	5.12	24.78	2.50	10.01	20.11	4.92	4.62
2	69.8	148.4		13.13	11.92	5.09	24.79	2.60	10.10	20.20	4.95	4.55
3	69.2	147.8		13.09	11.85	5.08	24.85	2.40	10.06	20.16	4.90	4.60
4	69.5	147.3		13.08	11.86	5.11	24.88	2.45	10.12	20.15	4.93	4.63
5	69.4	147.5		13.15	11.88	5.12	24.96	2.52	10.06	20.14	4.92	4.52
6	69.7	148.3		13.12	11.82	5.10	24.98	2.48	9.95	20.09	4.99	4.59
7	69.6	147.6		13.17	11.92	5.13	25.20	2.53	9.99	20.00	5.01	4.61
8	69.8	147.9		13.14	11.96	5.15	25.05	2.47	9.94	19.95	5.08	4.58
9	69.3	148.2		13.16	11.98	5.14	25.12	2.49	9.89	19.97	5.04	4.64
10	69.7	148.3		13.11	11.92	5.12	25.09	2.51	9.98	19.99	5.07	4.67
\bar{X}	69.43	147.92		13.12	11.90	5.11	24.97	2.49	10.01	20.07	4.98	4.60
Y/N	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y

測試儀器:
TEST INSTRUMENTS:

E4991A+16194A

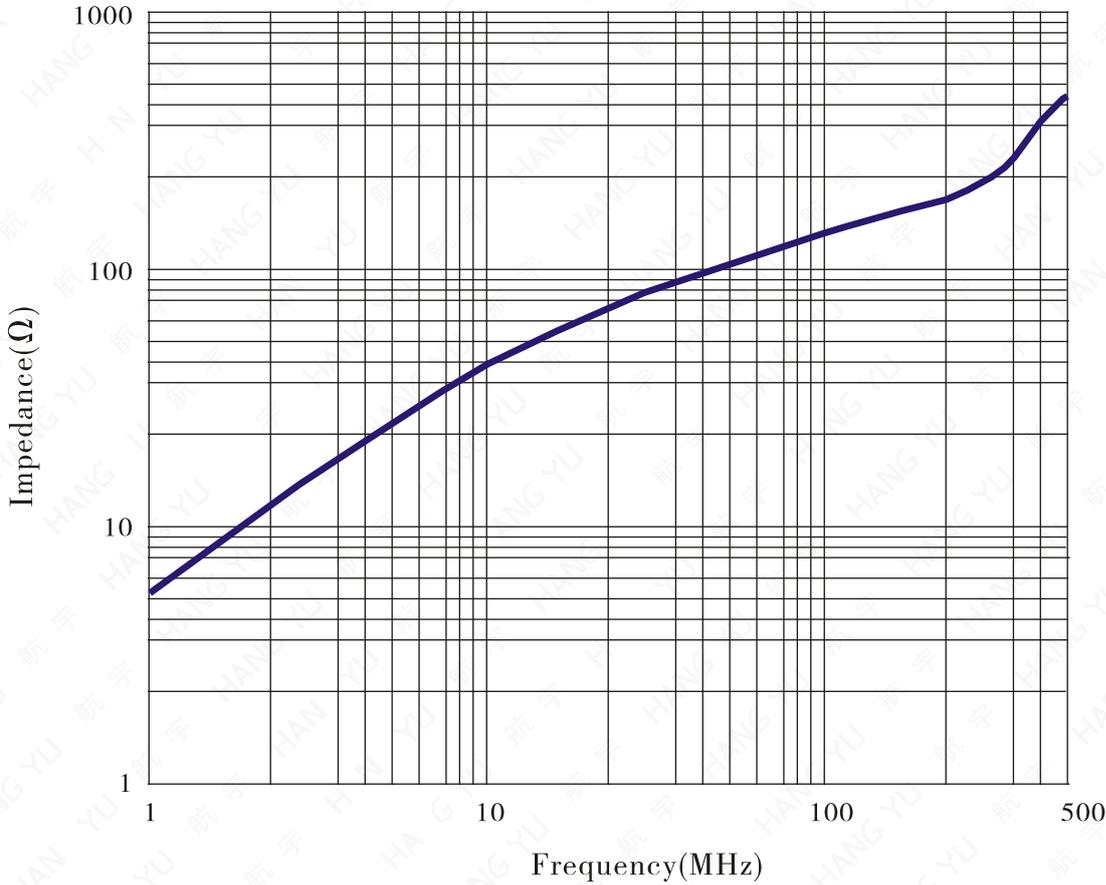


檢 驗 INSPECTED	復 核 CHECKED	確 認 APPROVED
李光赫	方煜镗	梁琼

阻抗 - 頻率曲綫

IMPEDANCE V.S FREQUENCY (Z-Y)

客戶名稱 CUSTOMER		日期 DATE	2025.5.12
規格 ITEM	F9 SCRC 35B	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	方煜镗	梁琼