



ISO9001-2015
Certificate No:672022020207194



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

承認書

SPECIFICATION FOR APPROVAL

客戶名稱
CUSTOMER

品名規格
DESCRIPTION

F9 SCRC 90B

客戶料號
CUS. P/N

提出日期
DATE

2025.05.12

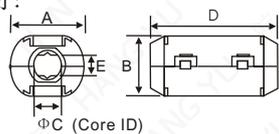
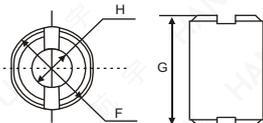
出圖 RDRAWING		
發行 MADE	復核 CHECKED	確認 APPROVED
李光赫	方煜镗	梁琼
銷售部：張 麗		

承 認 CUSTOMER APPROVE



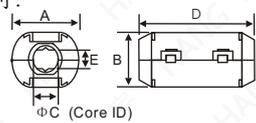
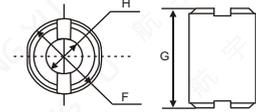
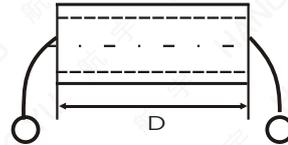
承認書

SPECIFICATION FOR APPROVAL

客戶名稱 CUSTOMER		日期 DATE	2025.05.12																												
規格 ITEM	F9 SCRC 90B	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: Core Case Dimension:</p>  <p>磁芯尺寸: Core Dimension:</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																											
2. 電氣性能檢測項目: ELECTRICAL REQUIREMENTS:		測試儀器 TEST INSTRUMENTS																													
<input type="checkbox"/> L		TEST FREQ	KHZ MHZ																												
<input type="checkbox"/> Q		TEST FREQ	KHZ MHZ																												
<input checked="" type="checkbox"/> Z	Z1= 70Ω MIN	KHZ 25 MHZ	Z2=145 Ω MIN	KHZ 100 MHZ																											
	Z3=	KHZ MHZ	Z4=	KHZ MHZ																											
溫度 TEMP	℃	濕度 HUMIDITY	%																												
線組 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 style="border: 1px dashed orange;">OD (mm)</th> <th style="border: 1px dashed orange;">0~5</th> <th style="border: 1px dashed orange;">5.1~10</th> <th style="border: 1px dashed orange;">10.1~15</th> <th style="border: 1px dashed orange;">15.1~20</th> <th style="border: 1px dashed orange;">20.1~25</th> <th style="border: 1px dashed orange;">25.1~30</th> <th style="border: 1px dashed orange;">30.1~35</th> <th style="border: 1px dashed orange;">35以上</th> </tr> <tr> <td style="border: 1px dashed orange;">缺陷面积 Defect area (mm²)</td> <td style="border: 1px dashed orange;">≦1</td> <td style="border: 1px dashed orange;">≦2</td> <td style="border: 1px dashed orange;">≦3</td> <td style="border: 1px dashed orange;">≦4</td> <td style="border: 1px dashed orange;">≦5</td> <td style="border: 1px dashed orange;">≦6</td> <td style="border: 1px dashed orange;">≦7</td> <td style="border: 1px dashed orange;">≦8</td> </tr> <tr> <td style="border: 1px dashed orange;">缺陷个数 Number of defects (≦)</td> <td style="border: 1px dashed orange;">1</td> <td style="border: 1px dashed orange;">2</td> <td style="border: 1px dashed orange;">3</td> <td style="border: 1px dashed orange;">2</td> <td style="border: 1px dashed orange;">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																							
4. 材質特性 MATERIAL CHARACTERISTICS																															
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 Remanence	矯頑力 Coercivity	居裏溫度 Curie Temperature	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																						
F9	1000	16 (0.1MHz)	5 - 10	280(1600A/m)	200	20	>130	>10 ⁵	4.6																						

檢驗數據

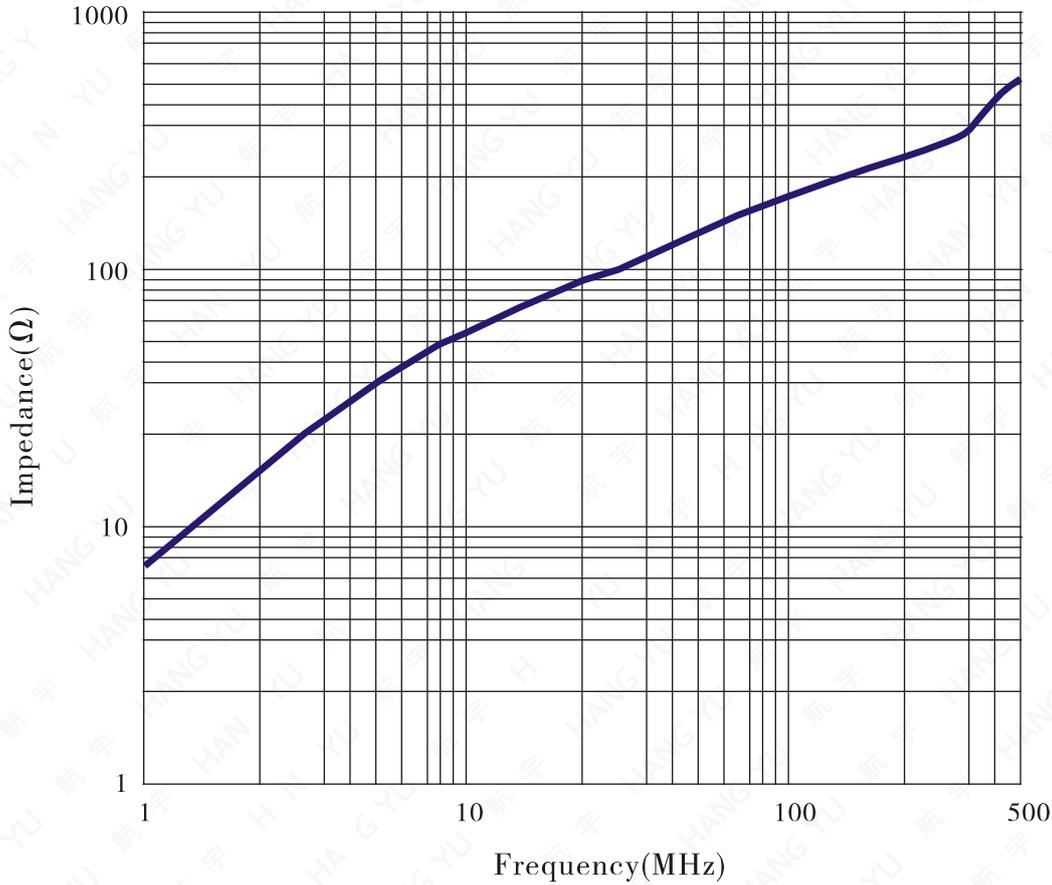
INSPECTION DATA

客戶名稱 CUSTOMER		日期 DATE		2025.05.12		數量 QUANTITY		5PCS				
編號 SERIAL NO.		規格 ITEM		F9 SCRC 90B		1.1 形狀尺寸(單位:毫米): SHAPE & DIMENSION(unit/mm): 外觀尺寸: 		實物圖: The Sample: 				
綫組 WINDING												Φ0.5x0.5TSx100L(mm)
測試頻率 TEST FREQ		Z1= $\frac{\text{KHZ}}{25 \text{ MHZ}}$	Z2= $\frac{\text{KHZ}}{100 \text{ MHZ}}$	磁芯尺寸: 								
		Z3= $\frac{\text{KHZ}}{\text{MHZ}}$	Z4= $\frac{\text{KHZ}}{\text{MHZ}}$									
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
	70	145			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	178.5			19.30	18.40	8.60	35.40	5.50	15.70	27.78	8.68
2	92.4	178.6			19.40	18.30	8.80	35.50	5.60	15.60	27.66	8.66
3	92.1	179.2			19.39	18.31	8.70	35.48	5.40	15.57	27.64	8.81
4	92.9	180.1			19.37	18.33	8.63	35.46	5.45	15.69	27.65	8.74
5	92.4	179.7			19.35	18.35	8.72	35.44	5.52	15.62	27.69	8.69
6	92.6	179.4			19.33	18.37	8.69	35.42	5.48	15.63	27.66	8.75
7	91.7	178.7			19.38	18.39	8.71	35.47	5.53	15.64	27.74	8.71
8	92.2	179.9			19.36	19.32	8.68	35.49	5.47	15.68	27.71	8.78
9	92.1	179.4			19.34	19.34	8.64	35.42	5.49	15.59	27.73	8.77
10	92.8	180.2			19.32	18.36	8.67	35.48	5.51	15.67	27.75	9.73
\bar{X}	92.65	179.53			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		方煜镗		梁琼				

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	F9 SCRC 90B	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: $\Phi 0.5 \times 0.5 \text{TS} \times 100 \text{L}(\text{mm})$

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