承 認 書

SPECIFCATION 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 RDAWING		
發 行 MADE	復 核 CHECKED	確 認 APPROVED
李光赫	方煜镏	梁琼
销售部：张 丽		

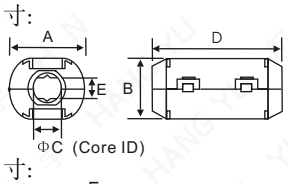
承 認 CUSTOMER APPROVE

承　認　書
SPECIFICATION FOR APPROVAL

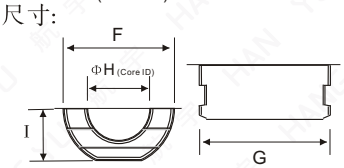
客户名稱 CUSTOMER		日　期 DATE	2025.5.12
規　格 ITEM	F9 SCRC 35B	編　號 SERIAL NO.	

1.1. 形狀尺寸(單位/毫米): SHAPE & DIMENSION(unit/mm):

外殼尺寸:



磁芯尺寸:



1.2. 實物圖: The Sample::

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

2. 電氣性能檢測項目: ELECTRICAL REQUIREMENTS:

☐ L			TEST FREQ	KHZ MHZ
☐ Q			TEST FREQ	KHZ MHZ
☑ Z	Z1= 55Ω MIN	~~KHZ~~ 25 MHZ	Z2= 115Ω MIN	~~KHZ~~ 100 MHZ
	Z3= ／	KHZ MHZ	Z4= ／	KHZ MHZ
温 度 TEMP	℃	濕　度 HUMIDITY	%	
綫 組 WINDING	Φ0.5x0.5TSx100L(mm)			

測試儀器
TEST INSTRUMENTS

1. Q-METER:
   ○HP 4342A　○MQ-172
2. L.C.R. METER:
   ○HP 4284A
3. IMPEDANCE ANALYZER:
   ○HP 4396B　○HP 4191A　∅E4991A
   ∅Agilent 16194A-TESTFIXTURE
4. L-METER:
   ○TH 2817A
5. DIGITAL MINI-OHM METER:
   ○VP2941A

3. 外觀標準: 依下表對照檢索:
THE LIMIT OF BREAKAGE: CHECKED BELOW:

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

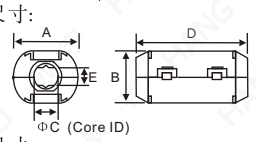
4.材質特性 MATERIAL CHARACTERISTICS

材料牌號 Mate-rial	初始磁導率 Initial Permeability	比損耗因子 Relative Loss Factor	比温度系數 Relative Temperature Coefficient	飽和磁通密度 Saturation Magnetic Flux Density	剩 磁 Reman-ence	矯頑力 Coercivity	居裏温度 Curie Tempera-ture	電阻率 Electrical Resistivity	密度 Density
Unit symbol	μ_i ±20%	Tan δ/μ_i $\times 10^{-6}$	α_{μ_i} $\times 10^{-6}$	Bs (MT)	Br (MT)	HC (A/m)	Tc (℃)	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

客户名稱 CUSTOMER		日 期 DATE	2025.5.12	數 量 QUANTITY	10PCS
編 號 SERIAL NO.					
規 格 ITEM	F9 SCRC 35B				
綫 組 WINDING	Φ0.5x0.5TSx100L(mm)				
測試頻率 TEST FREQ	Z1= ~~KHZ~~ 25 MHZ	Z2= ~~KHZ~~ 100 MHZ			
	Z3= / KHZ MHZ	Z4= / KHZ MHZ			
温 度 TEMP	℃	濕 度 HUMIDITY	%		

形狀尺寸(單位/毫米):
SHAPE & DIMENSION(unit/mm):
(Core diameter)
外殼尺寸:



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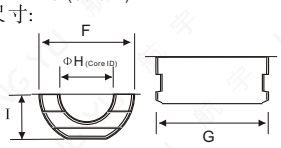
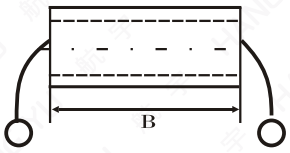


實物圖:
The Sample::

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	4.6
+	/	/		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
$\overline{X}$	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:

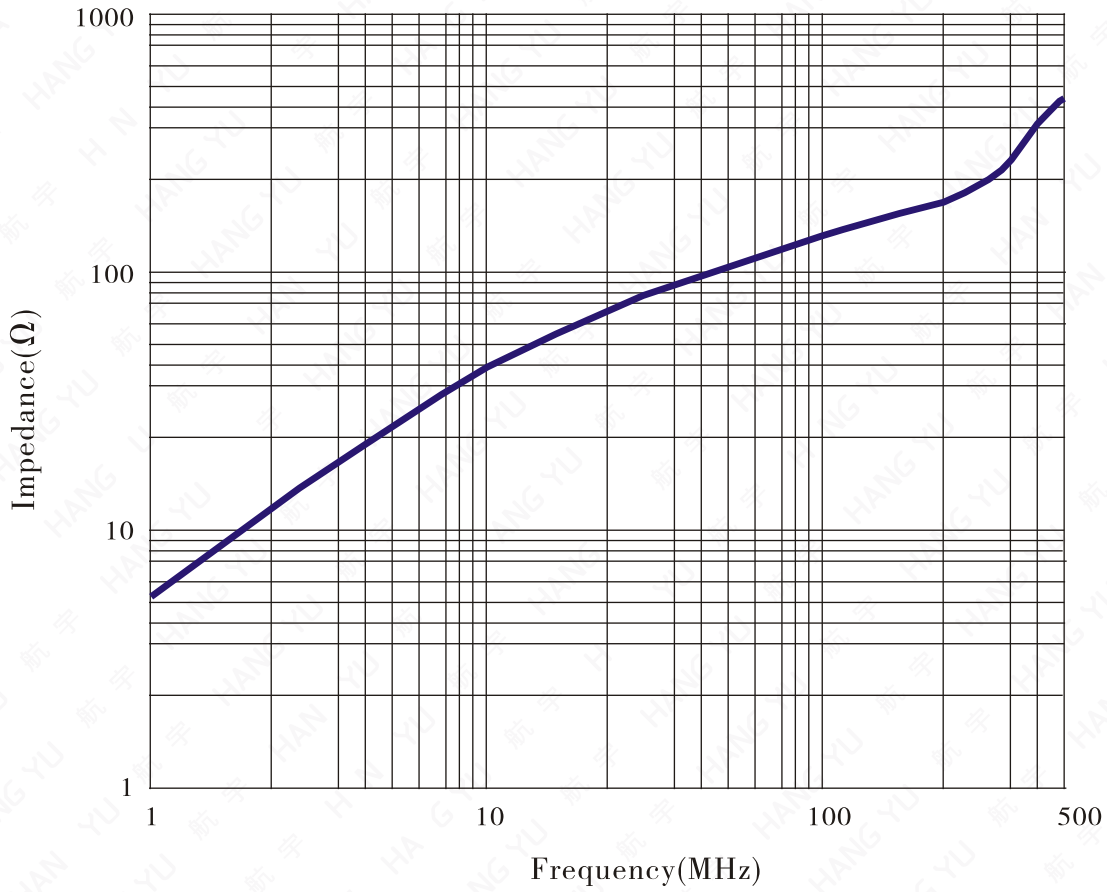
E4991A+16194A



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

阻抗－頻率曲綫
IMPEDANCE V.S FREQUENCY (Z-Y)

客户名稱 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：
本承認書在客户收到7天之内，須簽章返回，逾期視爲默認。
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	方煜镏	梁琼