



ISO9001-2015
Certificate No:672Q22020207194



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

SPECIFICATION FOR APPROVAL

客户名稱
CUSTOMER

品名規格
DESCRIPTION SCRC70A-Grey

客户料號
CUS. P/N

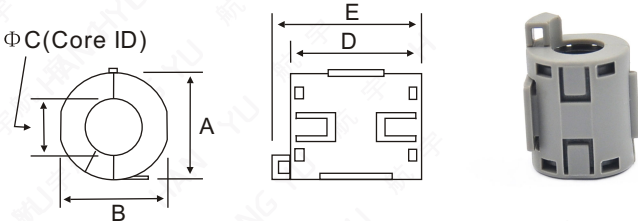
提出日期
DATE 2025.5.12

出 圖 RDAWING		
發 行 MADE	復 核 CHECKED	確 認 APPROVED
李光赫	方煜榴	梁琼
销售部：张 丽		

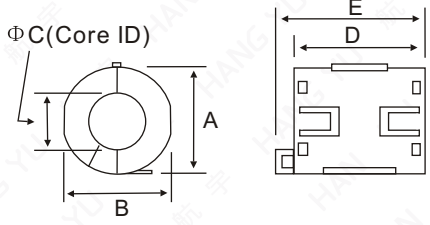
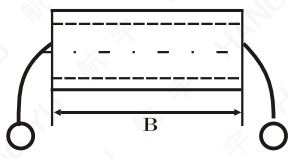
承 認 CUSTOMER APPROVE

承認書

SPECIFICATION FOR APPROVAL

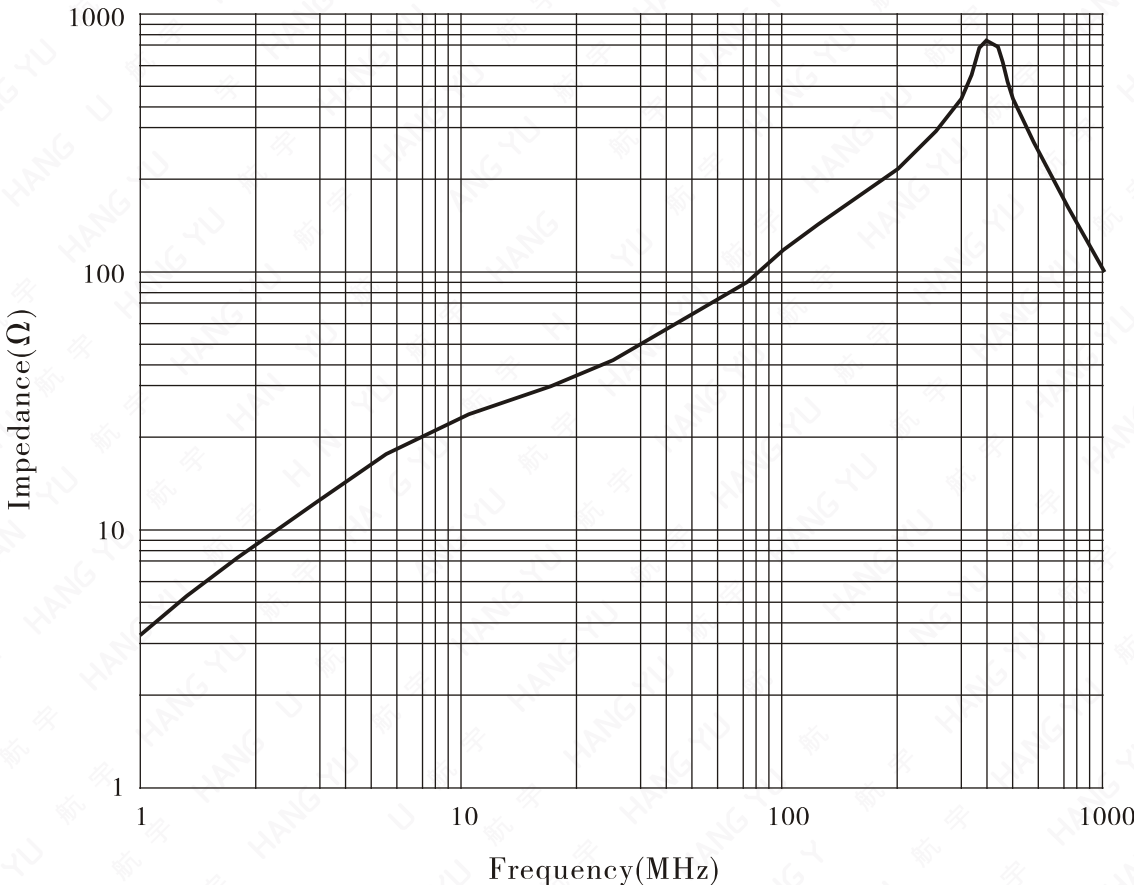
客戶名稱 CUSTOMER		日期 DATE	2025.5.12
規格 ITEM	SCRC70A-Grey	編號 SERIAL NO.	
1. 形狀尺寸(單位/毫米): SHAPE & DIMENSION(unit/mm): 		A	15.5 ± 1.0 mm
		B	14 ± 1.0 mm
		C	7 ± 0.8 mm
		D	18 ± 1.0 mm
		E	22 ± 1.0 mm
		F	
		G	
		H	
2. 電氣性能檢測項目: ELECTRICAL REQUIREMENTS:		測試儀器 TEST INSTRUMENTS	
☐ L		TEST FREQ	KHZ MHZ
☐ Q		TEST FREQ	KHZ MHZ
☒ Z	Z1= 30 Ω MIN 25 KHZ	Z2= 95 Ω MIN 100 KHZ	
	Z3= / KHZ	Z4= / KHZ	
溫度 TEMP	℃	濕度 HUMIDITY	%
線組 WINDING Φ0.5x0.5TSx100L(mm)			
3. 外觀: THE LIMIT OF BREAKAGE:			
項目 Item		標準值 Standard Value	
一處缺陷的面積 Area of a breakage		≤1mm ²	
總缺陷面積 All area of the breakage		≤2mm ²	
缺陷深度 The depth of the breakage		≤0.4mm	
毛刺長度 The length of burr		≤0.2mm	
4. 包裝: PACKAGING:			
內包裝採用泡塑盒, 外包裝採用紙箱, 每箱產品外面都蓋上合格章(包括品名、數量、批號、檢驗員)。 Inner packing adopts foam plastics box, outer packing adopts carton and each carton should have a qualified chapter label outside(include the variety, quantity, batch number and inspector).			

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): 								
規格 ITEM		SCRC70A-Grey										
線組 WINDING												
測試頻率 TEST FREQ		Z1= $\frac{\text{KHZ}}{25 \text{ MHZ}}$ Z2= $\frac{\text{KHZ}}{100 \text{ MHZ}}$ 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		
	30	95			15.5	14.0	7.0	18.0	22			
+	/	/			1.0	1.0	0.8	1.0	1.0			
-	0	0			1.0	1.0	0.8	1.0	1.0			
1	49.9	117.6			14.90	13.50	7.10	17.80	21.90			
2	50.4	118.3			14.80	13.60	7.20	17.70	21.50			
3	50.6	117.4			14.80	14.20	6.90	17.90	21.60			
4	50.5	117.9			15.20	14.30	6.90	18.20	21.80			
5	50.7	118.4			15.50	14.50	7.02	18.40	22.20			
6	50.6	118.2			15.40	13.40	7.08	18.30	22.30			
7	50.5	117.8			15.60	13.80	7.01	18.00	22.10			
8	49.8	117.4			15.80	13.90	7.20	17.90	22.40			
9	50.2	118.5			16.00	14.20	7.15	18.10	21.90			
10	50.4	118.4			15.90	14.10	7.17	18.20	21.80			
$\bar{X}$	50.45	117.86			15.36	13.95	7.07	18.05	21.95			
Y/N	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 - 頻率曲線
IMPEDANCE V.S FREQUENCY (Z-Y)

客戶名稱 CUSTOMER			日期 DATE			2025.5.12				
規 格 ITEM			SCRC70A-Grey			編 號 SERIAL NO.				
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 Reman-ence	矯頑力 Coercivity	居裏溫度 Curie Tempera-ture	電阻率 Electrical Resistivity	使用範圍 Applied Frequency Range	密度 Density
Unit	μ_i	$\tan \delta / \mu_i$	$\alpha \mu_i / ^\circ C$	Bs	Br	HC	Tc	ρ	F	d
symbol	$\pm 20\%$	$\times 10^{-6}$	$\times 10^{-6}$	(MT)	(MT)	(A/m)	($^\circ C$)	($\Omega \cdot m$)	MHz	g/cm ³
		16 (0.1MHz)	5 - 10	350(1600A/m)	200	20	>110	>10 ⁵	0.1 - 15	4.7



The graph plots Impedance (Ω) on a logarithmic y-axis (1 to 1000) against Frequency (MHz) on a logarithmic x-axis (1 to 1000). The curve starts at approximately 4 Ω at 1 MHz, rises steadily to about 100 Ω at 100 MHz, then more steeply to a sharp resonance peak of nearly 800 Ω at approximately 400 MHz. After the peak, the impedance drops to about 100 Ω at 1000 MHz.

測試條件： TESTING CONDITION:				
1. 測試儀器： Testing Equipment:	HP 4191A	測 試 TESTED	復 核 CHECKED	確 認 APPROVED
2. 測試頻率區間： Testing Frequency Range:	1-1000MHz	李光赫	方煜鎰	梁琮
3. 測試綫組： Testing Coil Specification:	Φ0.5x0.5TSx100L(mm)			