

承認書

SPECIFICATION FOR APPROVAL

客户名稱
CUSTOMER

客户料号
CUS. P/N

尺寸
DIMENSION

CFS9-160D

編號
SERIAL NO.

NO. CF1025411325

日期
DATE

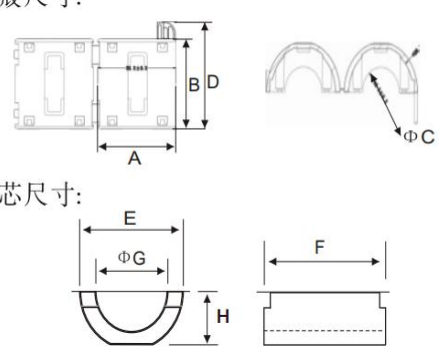
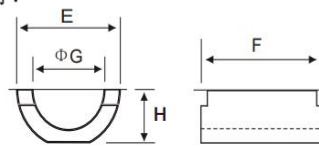
2024年5月8日

出圖 DRAWING		
發行 ISSUE	復核 CHECKED	核準 APPROVAL
趙 利勤	李 新义	王 传军
DATE: 2024/5/8		

承認 CUSTOMER APPROVAL

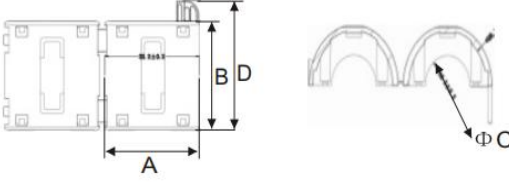
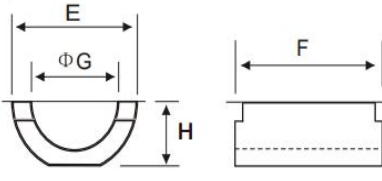
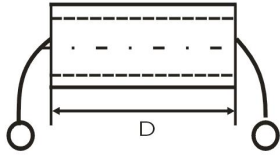
承 認 書

SPECIFICATION FOR APPROVAL

規 格 ITEM	CFS9-160D		編 號 SERIAL NO.		NO. CF1025411325	
1. 形狀尺寸 (單位mm) ; SHAPE & DIMENSION(unit/mm); 外觀尺寸:  磁芯尺寸: 			A	32.20 ± 0.5	mm	
			B	33.80 ± 0.3	mm	
			C	16.20 ± 0.2	mm	
			D	40.00 ± 0.2	mm	
			E	28.00 ± 1.5	mm	
			F	28.50 ± 1.5	mm	
			G	16.00 ± 1.0	mm	
2. 電器性能檢測項目 ELECTTRONICAL REQUIREMENTS;						
☐ L		TEST FREQ		測試儀器 TESTING INSTRUMENTS		
☐ Q		TEST FREQ	KHZ MHZ	1. Q-METER: ☐ HP-4342A ☐ MQ-172		
☒ Z	Z1=85 Ω MIN 25MHZ	KHZ	Z3=	KHZ MHZ	2. LCR-METER: ☐ TH2826	
	Z2=145 Ω MIN 100MHZ	KHZ	Z4=	KHZ MHZ	3. IMPEDANCE ANALYZER: ☐ HP-4191A ☐ Agilent 16092A ☒ E4991A	
溫 度 TEMP	25±5℃	濕 度 HUMIDITY	60±8%	4. L-METER: ☐ TH-2775B		
繞 線: WINDING	Z: Φ 0.5*100L(mm)*0.5TS			5. DIGITAL MINI-OHM METER: VP2941A		
3. 外 觀 THE LIMIT OF BREAKAGE:						
項 目 Item			標準值 Standard Value			
一處缺陷的面积 Area of a breakage			≤1mm ²			
总缺陷面积 ALL area of the breakage			≤2mm ²			
缺陷深度 The depth of the breakge			≤0.4mm			
毛刺长度 The length of burr			≤0.2mm			
4. 包 裝 PACKAGING:						
內包裝采用泡塑盒，外包裝采用紙箱，每箱產品外面都蓋上标签（包括品名、數量、批號、檢驗員）。 Inner packing gdopts foam plastics box,outer packing adopts carton and each carton should have a qualified label outside(include the variey,quantity,batch number and inspector).						

檢 測 數 據

INSPECTION DATA

規 格 ITEM	CFS9-160D					編 號 SERIAL NO.		NO. CF1025411325						
1. 形狀尺寸(單位/毫米): SHAPE & DIMENSION(unit:mm): 外殼尺寸:  磁芯尺寸: 							☐ L							
							☐ Q				KHZ MHZ			
							☒ Z		Z1=85 Ω MIN KHZ 25MHZ		Z1= KHZ MHZ			
									Z2=145 Ω MIN KHZ 100MHZ		Z4= KHZ MHZ			
							溫 度 TEMP		25±5℃		濕 度 HUMIDITY		60±8%	
							繞 线: WINDING		Z: Φ 0.5*100L(mm)*0.5TS					
項 目 ITEM	电 气 性 能 ELECTRONIC CHARACTERISTICS						尺 寸 DIMENSION(unit:mm)							
	Q	L(μ H)	Z1(Ω)	Z2(Ω)	Z3(Ω)	Z4(Ω)	E	F	G	H				
			85	145			28	28.5	16	13.5				
+			/	/			1.5	1.5	1	0.8				
—			0	0			1.5	1.5	1	0.8				
1			106.3	195.8			27.97	28.59	16.03	13.46				
2			103.7	196.3			27.89	28.53	16.05	13.53				
3			104.5	196.1			27.55	28.61	16.02	13.49				
4			104.3	196.7			27.64	28.70	16.08	13.47				
5			101.3	195.9			27.58	28.53	15.98	13.50				
6			102.6	195.2			27.61	28.73	15.95	13.45				
7			107.7	195.9			28.06	28.44	16.08	13.51				
8			107.2	195.0			27.64	28.47	16.08	13.49				
9			106.8	195.4			27.83	28.59	15.98	13.49				
10			104.6	195.7			28.03	28.64	16.00	13.39				
X			104.9	195.8			27.78	28.58	16.03	13.48				
Y/N			Y	Y			Y	Y	Y	Y				
2. 測試儀器 TESTING INSTRUMENTS E4991A+16092A 							檢 測 INSPECTION		復 核 CHECK		確 認 APPROVAL			
														

IMPEDANCE V.S.FREQUENCY (Z-Y)

材质特性： MATERIAL CHARACTERISTICS

Unit symbol	μ i $\pm 20\%$	$\tan \delta / \mu$ i $\times 10^{-6}$	$\alpha \mu$ i γ $\times 10^{-6}$	Bs (MT)	Br (MT)	HC (A/m)	Tc (°C)	ρ ($\Omega \cdot \text{m}$)	F Mhz	d g/cm ³
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The graph shows the impedance of a 100 pF capacitor as a function of frequency. The x-axis is Frequency (MHz) on a logarithmic scale from 1 to 1000. The y-axis is Impedance (Ω) on a logarithmic scale from 1 to 1000. The curve starts at approximately 7.96 Ω at 1 MHz and increases linearly on the log-log scale, reaching a peak of about 800 Ω at 600 MHz, before dropping sharply to around 200 Ω at 1000 MHz.

Frequency (MHz)	Impedance (Ω)
1	7.96
10	79.6
100	796
600	800
1000	200

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