

Defer to: **SONY/SS-00259** ; SAMSUNG/OQA-2049 ; **MICROSOFT/H00594** ; FOXCONN/EPI12 ; **HP/HX-00011-00...**

承認書

SPECIFICATION FOR APPROVAL

客戶名稱 CUSTOMER	LEPCOS
品名規格 DESCRIPTION	F2-AP RH 17.5×28.5×9.5
客戶料號 CUS. P/N	
提出日期 DATE	Nov.08. 2024.
編號 SERIAL NO.	KF 24110836761

出圖 DRAWING			承認 CUSTOMER APPROVE	
發行 MADE	復核 CHECKED	確認 APPROVED		
DATE: 2024年11月08日				

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。
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科峰集團

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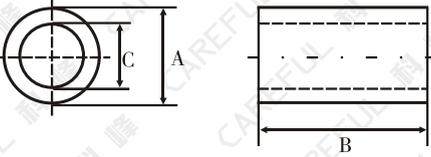
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承認書

SPECIFICATION FOR APPROVAL

客戶名稱 CUSTOMER	LEPCOS	日期 DATE	2024.11.08.
規格 ITEM	F2-AP RH 17.5×28.5×9.5	編號 SERIAL NO.	KF 24110836761
1.1. 形狀尺寸(單位/毫米): SHAPE & DIMENSION(unit/mm):		1.2. 實物圖: The Sample::	
		A	17.5 ± 0.6 mm
		B	28.5 ± 0.7 mm
		C	9.5 ± 0.5 mm
		D	
		E	
		F	
		G	
		H	

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	1. Q-METER: ○HP 4342A ○MQ-172				
<input type="checkbox"/> Q		TEST FREQ	KHZ MHZ	2. L.C.R. METER: ○HP 4284A				
<input checked="" type="checkbox"/> Z	Z1= 60Ω MIN	KHZ 25 MHZ	Z2= 115Ω MIN	KHZ 100 MHZ	3. IMPEDANCE ANALYZER: ○HP 4396B ○HP 4191A ØE4991A ØAgilent 16194A-TESTFIXTURE			
	Z3=	KHZ MHZ	Z4=	KHZ MHZ	4. L-METER: ○TH 2775B			
溫度 TEMP	℃	濕度 HUMIDITY	%	5. DIGITAL MINI-OHMMETER: ○VP2941A				
線組 WINDING		Φ0.5x0.5TSx100L(mm)						

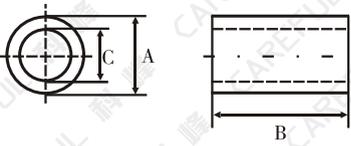
3. 外觀標準: 依下表對照檢索: THE LIMIT OF BREAKAGE: CHECKED BELOW:								
OD (mm)	0~5	5.1~10	10.1~15	15.1~20	20.1~25	25.1~30	30.1~35	35以上
缺陷面積 Defect area (mm ²)	≦1	≦2	≦3	≦4	≦5	≦6	≦7	≦8
缺陷个数 Number of defects (≦)	1	2	3	3	3	3	2	2

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	比溫度係數 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	Bs (MT)	Br (MT)	HC (A/m)	Tc (°C)	ρ (Ω · m)	d g/cm ³
F2	650	20 (0.1MHz)	2-5	260(1600A/m)	150	35	>140	>10 ⁵	4.6

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檢驗數據

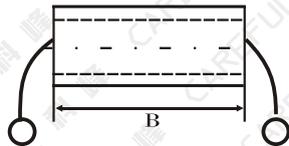
INSPECTION DATA

客戶名稱 CUSTOMER	LEPCOS		日期 DATE	2024.11.08.	數量 QUANTITY	10PCS
編號 SERIAL NO.	KF24110836761		形狀尺寸(單位/毫米): SHAPE & DIMENSION(unit/mm):		實物圖: The Sample:;	
規格 ITEM	F2-AP RH 17.5x28.5x9.5					
線組 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		
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)					
	Q	L(μH) (MH)	Z1(Ω)	Z2(Ω)	Z3(Ω)	Z4(Ω)	A	B	C	D	E	F
			60	115			17.5	28.5	9.5			
+			/	/			0.6	0.7	0.5			
-			0	0			0.6	0.7	0.5			
1			87.5	169.6			17.40	28.56	9.50			
2			88.2	168.5			17.42	28.54	9.52			
3			86.5	170.2			17.44	28.52	9.54			
4			85.9	170.6			17.52	28.50	9.60			
5			86.2	169.3			17.36	28.48	9.54			
6			86.1	168.8			17.38	28.44	9.48			
7			85.9	169.1			17.50	28.60	9.46			
8			87.8	170.1			17.54	28.60	9.52			
9			88.0	170.3			17.38	28.64	9.58			
10			88.1	168.4			17.40	28.54	9.60			
\bar{X}			87.02	169.49			17.43	28.54	9.54			
Y/N			Y	Y			Y	Y	Y			

測試儀器:
TEST INSTRUMENTS:

E4991A+16194A



檢驗
INSPECTED

汪建琴

復核
CHECKED

周紀君

確認
APPROVED

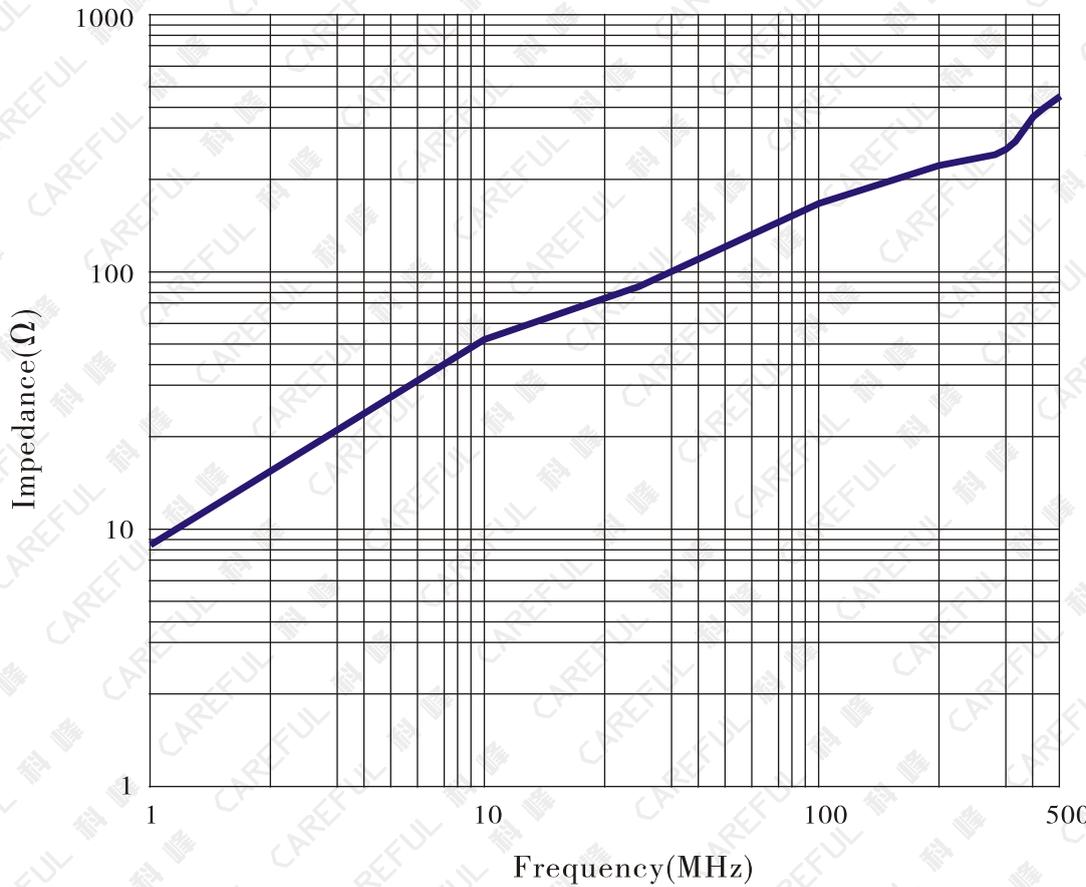
沈學泉

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阻抗 - 頻率曲綫

IMPEDANCE V.S FREQUENCY (Z-Y)

客戶名稱 CUSTOMER	LEPCOS	日期 DATE	2024.11.08.
規格 ITEM	F2-AP RH 17.5x28.5x9.5	編號 SERIAL NO.	KF 24110836761



測試條件:
TESTING CONDITION:

- 測試儀器: E4991A+16194A
Testing Equipment:
- 測試頻率區間: 1-500MHz
Testing Frequency Range:
- 測試綫組: Φ0.5x0.5TSx100L(mm)
Testing Coil Specification:

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測試 TESTED	復核 CHECKED	確認 APPROVED
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