



ISO9001-2008
Certificate No:02411Q20838R2M



CAREFUL環境關聯物質管控標準: Cd<5ppm; Pb<50ppm; Hg:ND; Cr6+:ND

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

承 認 書

SPECIFICATION FOR APPROVAL

客户名稱 CUSTOMER	LEPCOS
品名規格 DESCRIPTION	F9 SCFS 33.5×6.8×12-1.8
客户料號 CUS. P/N	
提出日期 DATE	Dec.14. 2022.
編 號 SERIAL NO.	KF 22121433468

出 圖 DRAWING		
發行 MADE	復 核 CHECKED	確 認 APPROVED
DATE: 2022年12月14日		

承 認 CUSTOMER APPROVE



科峰集團

CAREFUL GROUP

www.careful.cn
e sales@careful.cn
e info@careful.cn

湖州科峰磁業有限公司
HuZhou Careful Magnetism Co.,Ltd.

浙江省湖州市含山工業區 313014
Hanshan Industry Zone Huzhou Zhejiang

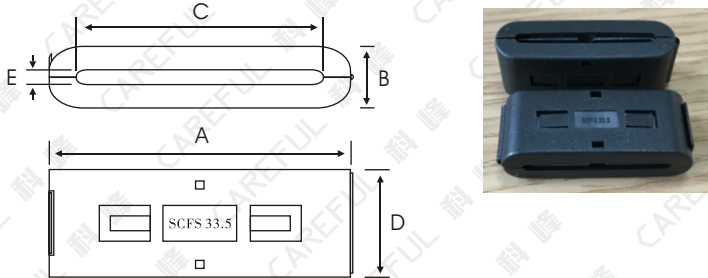
TEL: 00 86 - 572 - 367 0006 / 367 2766 FAX: 00 86 - 572 - 367 0025
TEL: 00 86 - 572 - 367 0006 / 367 2766 FAX: 00 86 - 572 - 367 0025

嘉興科峰磁電有限公司
JiaXing Careful Magnetism & Electron Co.,Ltd.

浙江省嘉興市河山工業區 314512
Heshan Industry Zone Jiaxing Zhejiang

TEL: 00 86 - 573 - 8867 1616 / 8867 0988 FAX: 00 86 - 573 - 8867 1515
TEL: 00 86 - 573 - 8867 1616 / 8867 0988 FAX: 00 86 - 573 - 8867 1515

承 認 書
SPECIFICATION FOR APPROVAL

客戶名稱 CUSTOMER	LEPCOS	日期 DATE	2022.12.14.
規格 ITEM	F9 SCFS 33.5×6.8×12-1.8	編號 SERIAL NO.	KF 22121433468
1.1. 形狀尺寸(單位/毫米): SHAPE & DIMENSION(unit/mm):		1.2. 實物圖:	
		A	36 ± 1.0 mm
		B	9.4 ± 0.8 mm
		C	28 ± 1.0 mm
		D	14.8 ± 1.0 mm
		E	2.0 ± 0.4 mm
		F	
		H	
		P	

2. 電氣性能檢測項目:
ELECTRICAL REQUIREMENTS:

☐ L		TEST FREQ	KHZ V
☐ Q		TEST FREQ	KHZ MHZ
☒ Z	Z1= 20 Ω MIN	25 KHZ MHZ	Z2= 75 Ω MIN
	Z3= /	KHZ MHZ	Z4= /
溫度 TEMP	℃	濕 度 HUMIDITY	%
線 組 WINDING	Φ0.5 x 0.5Ts x 100L(mm)		

測試儀器
TEST INSTRUMENTS

- Q-METER:
○HP 4342A ○MQ-172
- L.C.R. METER:
○HP 4284A
- IMPEDANCE ANALYZER:
○HP 4396B ○HP 4191A ØE4991A
ØAgilent 16194A-TESTFIXTURE
- L-METER:
○TH 2817A
- DIGITAL MINI-OHMMETER:
○VP2941A

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

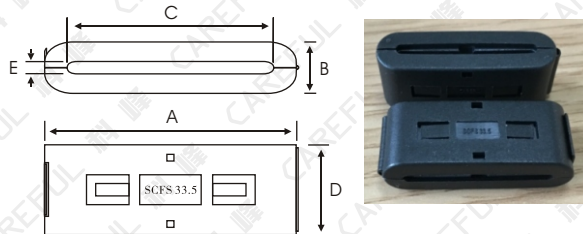
OD (mm)	0~5	5.1~10	10.1~15	15.1~20	20.1~25	25.1~30	30.1~35	35以上
缺陷面积 Defect area (mm ²)	≤1	≤2	≤3	≤4	≤5	≤6	≤7	≤8
缺陷个数 Number of defects (≤)	1	2	3	3	3	3	2	2

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	密度 Density
Unit	μ _i	Tan δ / μ _i	α μ _i γ	B _s	Br	HC	T _c	ρ	d
symbol	±20%	×10 ⁻⁶	×10 ⁻⁶	(MT)	(MT)	(A/m)	(℃)	(Ω·m)	g/cm ³
F9	850	16 (0.1MHz)	5 - 10	280(1600A/m)	200	20	>130	>10 ⁵	4.6

A	首版First Edition	2022-12-14	Rosie
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形狀尺寸(單位/毫米): 實物圖:
SHAPE & DIMENSION(unit/mm): The Sample::



項目	電氣性能 ELECTRIC CHARACTERISTICS	尺寸(單位:毫米) DIMENSION(unit:mm)
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項目 TEST ITEM	Q	L(μH) (MH)	Z1(Ω)	Z2(Ω)	Z3(Ω)	Z4(Ω)	A	B	C	D	E	F
			20	75			36	9.4	28	14.8	2.0	
+			/	/			1.0	0.8	1.0	1.0	0.4	
—			0	0			1.0	0.8	1.0	1.0	0.4	
1			34.4	97.6			35.65	9.42	28.03	14.78	2.22	
2			29.0	94.6			35.69	9.45	28.04	14.76	2.20	
3			32.3	98.4			35.74	9.45	28.02	14.80	2.18	
4			26.2	90.0			35.62	9.42	28.05	14.82	2.24	
5			27.3	92.5			35.68	9.51	28.03	14.85	2.22	
6			34.5	101.0			35.61	9.46	28.04	14.83	2.26	
7			27.1	90.4			35.64	9.44	27.95	14.84	2.12	
8			30.2	96.1			35.63	9.48	27.99	14.86	2.18	
9			29.1	93.6			35.66	9.49	27.96	14.83	2.16	
10			34.5	99.3			35.67	9.43	27.98	14.82	2.20	
$\bar{X}$			30.46	95.35			35.65	9.45	28.00	14.81	2.19	
Y/N			Y	Y			Y	Y	Y	Y	Y	

A diagram of a vertical rectangular robot. It has a rectangular body with a width labeled D at the bottom. The robot has two circular wheels at the base, connected by lines to the sides of the rectangle. On the front face of the rectangle, there are three vertically stacked rectangular features: a small square on the left, a larger square in the center, and another small square on the right. Above the central square is a smaller rectangle. The robot is shown from a top-down perspective.

檢 驗 INSPECTED	復 核 CHECKED	確 認 APPROVED
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汪建琴

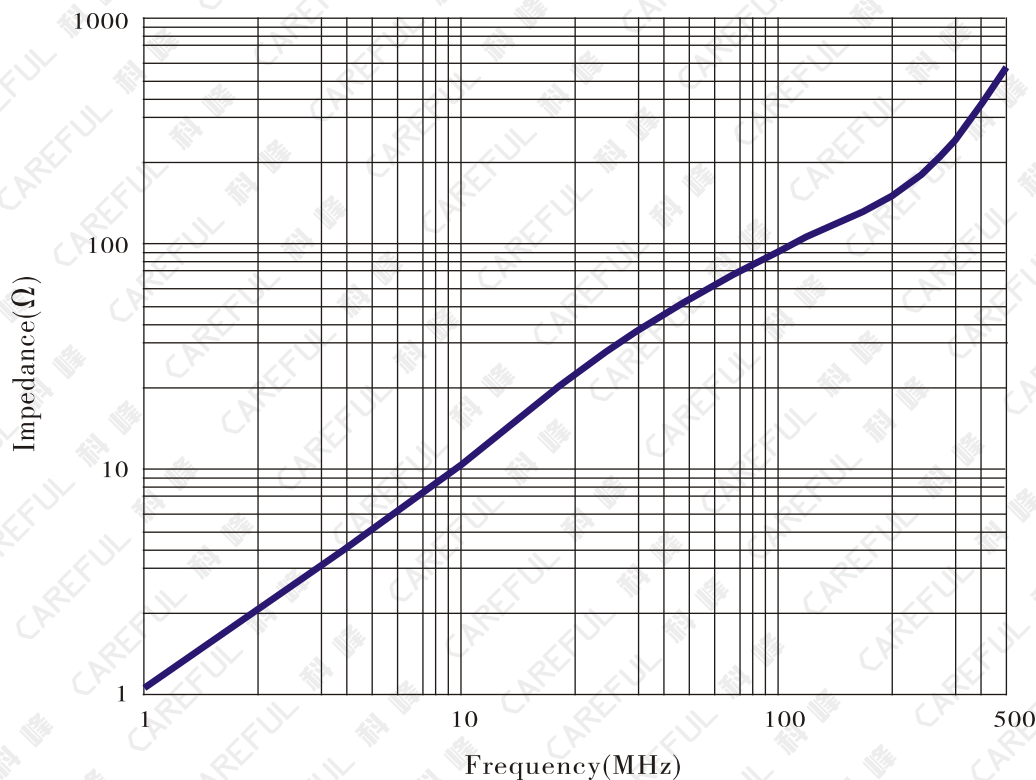
周
纪君

沈
学泉

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阻抗－頻率曲線
IMPEDANCE V.S FREQUENCY (Z-Y)

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規格 ITEM	F9 SCFS 33.5×6.8×12-1.8	編號 SERIAL NO.	KF 22121433468

測試條件:
TESTING CONDITION:

- 測試儀器:
Testing Equipment: E4991A+16194A
- 測試頻率區間:
Testing Frequency Range: 1-500MHz
- 測試綫組:
Testing Coil Specification: Φ0.5x0.5Tsx100L(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
汪建琴	周紀君	沈學泉

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