



深圳市首韩科技有限公司  
SHENZHEN SHOUHAN TECHNOLOGY CO., LTD  
Tel: 0755-27597601 Fax: 0755-27597491

**承 认 书**  
**SPECIFICATION FOR APPROVAL**

客 户 Customer:

\_\_\_\_\_

产品名称 Project:

\_\_\_\_\_

规格型号 Part No:

F9 SCRC35B新

**贵公司承认印 Approval signatures**

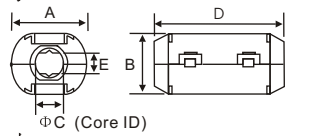
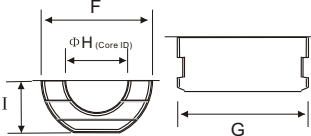

料 号/Part No.	签 章/Signatures

日期 Date:

拟制/Drawn	李春风	
审核/Check	刘学	
批准/Approved	罗孝金	

# 承 認 書

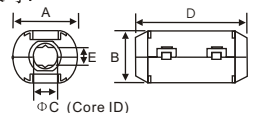

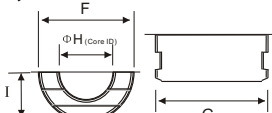
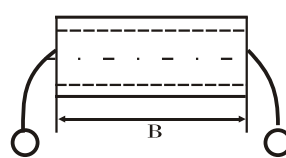
## SPECIFICATION FOR APPROVAL

客戶名稱 CUSTOMER		日期 DATE	2020.04.29.																															
規 格 ITEM	F9 SCRC 35B	編 號 SERIAL NO.	20042929951																															
<p>1.1. 形狀尺寸(單位/毫米): SHAPE &amp; DIMENSION(unit/mm):</p> <p>1.2. 實物圖: The Sample::</p> <p>外殼尺寸:</p>  <p>磁芯尺寸:</p>  		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																															
<p>2. 電氣性能檢測項目: ELECTRICAL REQUIREMENTS:</p>		<p>測試儀器 TEST INSTRUMENTS</p> <p>1. Q-METER: ○ HP 4342A    ○ MQ-172</p> <p>2. L.C.R. METER: ○ HP 4284A</p> <p>3. IMPEDANCE ANALYZER: ○ HP 4396B    ○ HP 4191A    ØE4991A ØAgilent 16194A-TESTFIXTURE</p> <p>4. L-METER: ○ TH 2817A</p> <p>5. DIGITAL MINI-OHMMETER: ○ VP2941A</p>																																
<input type="checkbox"/> L		TEST FREQ	KHZ MHZ																															
<input type="checkbox"/> Q		TEST FREQ	KHZ MHZ																															
<input checked="" type="checkbox"/> Z	Z1= 50Ω MIN    KHZ 25 MHZ	Z2= 100Ω MIN    KHZ 100 MHZ																																
	Z3=            /    KHZ MHZ	Z4=            /    KHZ MHZ																																
溫度 TEMP	℃	濕 度 HUMIDITY	%																															
綫 組 WINDING	Φ0.5x0.5TSx100L(mm)																																	
<p>3. 外觀標準：依下表對照檢索： THE LIMIT OF BREAKAGE: CHECKED BELOW:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th style="border: 1px dashed orange;">OD (mm)</th> <th style="border: 1px dashed orange;">0~5</th> <th style="border: 1px dashed orange;">5.1~10</th> <th style="border: 1px dashed orange;">10.1~15</th> <th style="border: 1px dashed orange;">15.1~20</th> <th style="border: 1px dashed orange;">20.1~25</th> <th style="border: 1px dashed orange;">25.1~30</th> <th style="border: 1px dashed orange;">30.1~35</th> <th style="border: 1px dashed orange;">35以上</th> </tr> <tr> <td style="border: 1px dashed orange;">缺陷面积 Defect area (mm<sup>2</sup>)</td> <td style="border: 1px dashed orange;">≤1</td> <td style="border: 1px dashed orange;">≤2</td> <td style="border: 1px dashed orange;">≤3</td> <td style="border: 1px dashed orange;">≤4</td> <td style="border: 1px dashed orange;">≤5</td> <td style="border: 1px dashed orange;">≤6</td> <td style="border: 1px dashed orange;">≤7</td> <td style="border: 1px dashed orange;">≤8</td> </tr> <tr> <td style="border: 1px dashed orange;">缺陷个数 Number of defects (≦)</td> <td style="border: 1px dashed orange;">1</td> <td style="border: 1px dashed orange;">2</td> <td style="border: 1px dashed orange;">3</td> <td style="border: 1px dashed orange;">3</td> <td style="border: 1px dashed orange;">3</td> <td style="border: 1px dashed orange;">3</td> <td style="border: 1px dashed orange;">2</td> <td style="border: 1px dashed orange;">2</td> </tr> </table>					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 <sup>2</sup> )	≤1	≤2	≤3	≤4	≤5	≤6	≤7	≤8	缺陷个数 Number of defects (≦)	1	2	3	3	3	3	2	2			
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<p>4. 材質特性 MATERIAL CHARACTERISTICS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>材料牌號 Material</th> <th>初始磁導率 Initial Permeability</th> <th>比損耗因子 Relative Loss Factor</th> <th>比溫度系數 Relative Temperature Coefficient</th> <th>飽和磁通密度 Saturation Magnetic Flux Density</th> <th>剩磁 Remanence</th> <th>矯頑力 Coercivity</th> <th>居裏溫度 Curie Temperature</th> <th>電阻率 Electrical Resistivity</th> <th>密度 Density</th> </tr> <tr> <th>Unit symbol</th> <th>μ<sub>i</sub> ±20%</th> <th>Tan δ / μ<sub>i</sub> ×10<sup>-6</sup></th> <th>α μ<sub>i</sub> γ ×10<sup>-6</sup></th> <th>B<sub>s</sub> (MT)</th> <th>B<sub>r</sub> (MT)</th> <th>H<sub>C</sub> (A/m)</th> <th>T<sub>c</sub> (°C)</th> <th>ρ (Ω · m)</th> <th>d g/cm<sup>3</sup></th> </tr> </thead> <tbody> <tr> <td>F9</td> <td>850</td> <td>16 (0.1MHz)</td> <td>5 - 10</td> <td>280(1600A/m)</td> <td>200</td> <td>20</td> <td>&gt;130</td> <td>&gt;10<sup>5</sup></td> <td>4.6</td> </tr> </tbody> </table>					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 Remanence	矯頑力 Coercivity	居裏溫度 Curie Temperature	電阻率 Electrical Resistivity	密度 Density	Unit symbol	μ <sub>i</sub> ±20%	Tan δ / μ <sub>i</sub> ×10 <sup>-6</sup>	α μ <sub>i</sub> γ ×10 <sup>-6</sup>	B <sub>s</sub> (MT)	B <sub>r</sub> (MT)	H <sub>C</sub> (A/m)	T <sub>c</sub> (°C)	ρ (Ω · m)	d g/cm <sup>3</sup>	F9	850	16 (0.1MHz)	5 - 10	280(1600A/m)	200	20	>130	>10 <sup>5</sup>	4.6
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深圳市首韩科技有限公司

# 檢驗數據

## INSPECTION DATA

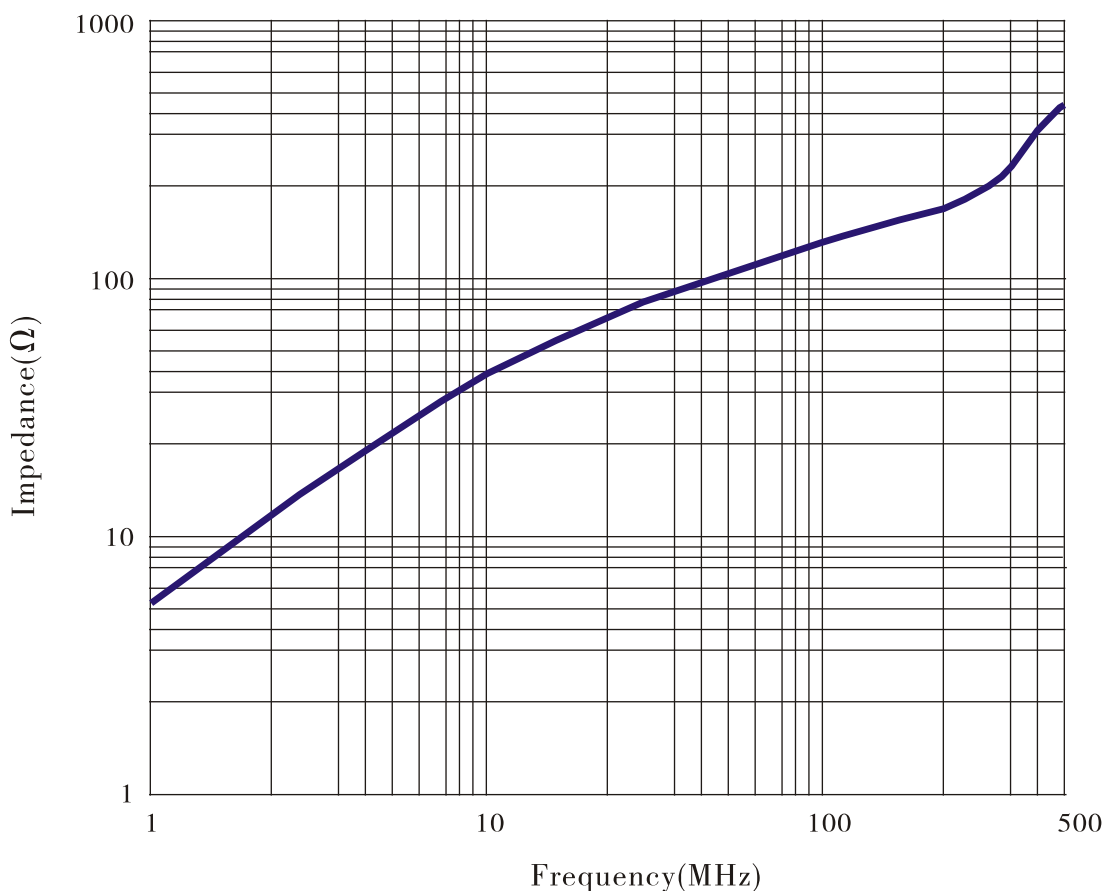
客戶名稱 CUSTOMER				日期 DATE	2020.04.29.		數量 QUANTITY	10PCS				
編號 SERIAL NO.		20042929951		形狀尺寸(單位/毫米): SHAPE & DIMENSION(unit/mm): (Core diameter) 外殼尺寸: 					實物圖: The Sample:: 			
規格 ITEM		F9 SCRC 35B										
線組 WINDING		Φ0.5x0.5TSx100L(mm)										
測試頻率 TEST FREQ		Z1= 25 KHZ 25 MHZ	Z2= 100 KHZ 100 MHZ	磁芯尺寸:								
		Z3= / KHZ / MHZ	Z4= / KHZ / MHZ									
溫度 TEMP		°C	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)	A	B	C	D	E	F	G	H	I
	50	100		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	65.9	140.0		13.06	11.93	5.12	24.78	2.50	10.01	20.11	4.92	4.62
2	65.1	136.4		13.13	11.92	5.09	24.79	2.60	10.10	20.20	4.95	4.55
3	65.4	141.1		13.09	11.85	5.08	24.85	2.40	10.06	20.16	4.90	4.60
4	66.9	138.5		13.08	11.86	5.11	24.88	2.45	10.12	20.15	4.93	4.63
5	65.8	139.5		13.15	11.88	5.12	24.96	2.52	10.06	20.14	4.92	4.52
6	65.1	137.0		13.12	11.82	5.10	24.98	2.48	9.95	20.09	4.99	4.59
7	66.7	139.5		13.17	11.92	5.13	25.20	2.53	9.99	20.00	5.01	4.61
8	66.1	140.2		13.14	11.96	5.15	25.05	2.47	9.94	19.95	5.08	4.58
9	66.0	137.2		13.16	11.98	5.14	25.12	2.49	9.89	19.97	5.04	4.64
10	65.0	136.4		13.11	11.92	5.12	25.09	2.51	9.98	19.99	5.07	4.67
$\bar{X}$	65.80	138.58		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		
							武卫锋	陆卯生		林萍		

深圳市首韩科技有限公司

# 阻抗 - 頻率曲綫

## IMPEDANCE V.S FREQUENCY (Z-Y)

客戶名稱 CUSTOMER		日期 DATE	2020.04.29.
規格 ITEM	F9 SCRC 35B	編號 SERIAL NO.	20042929951



測試條件：  
TESTING CONDITION:

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

**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
武卫锋	陆卯生	林萍

深圳市首韩科技有限公司