

APPROVAL SHEETS

承 认 书

Customer (客户名称)

Your Part No. (客户料号)

Description (产品名称) Ferrite Core(抗干扰磁芯)

Product Name (产品型号) V18009

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029021

Date (制作日期) Jun.3.2025

Approved by Customer
客 户 承 认

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1 Amendment History

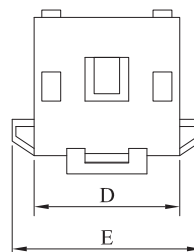
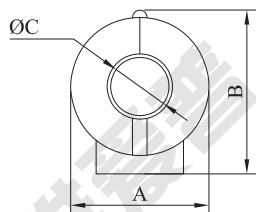
<i>Custromer P/N</i>		<i>VIIP P/N</i>	V18009
<i>Part Name</i>	Ferrite Core	<i>Rev .</i>	4.0

<i>Rev.</i>	<i>Description</i>	<i>Effective Date</i>	<i>Page</i>	<i>Approved</i>
4.0	-Initial release	Jun.3.2025	3-5	Jet
<i>Prepared By</i>		<i>Reviewed By</i>	<i>Approved By</i>	
RD&Dept. 2025.06.03 Li Endi		RD&Dept. 2025.06.03 Tom Kuang	RD&Dept. 2025.06.03 Jet Wu	



SPECIFICATION

2. Physical Dimensions (尺寸图):



Item(项目)	Dimension(尺寸)	Tolerance(公差范围)	Unit(单位)
A	19.5	±1.0	mm
B	23.0	±1.0	mm
C	8.0	±0.8	mm
D	19.5	±1.0	mm
E	26	±1.0	mm

3. Material Characteristics (材质特性):

材料 Mate-rial	初始磁导率 Initial Permeability	损耗因子 Relative Loss Factor	温度系数 Relative Temperature Coefficient	磁饱和和密度 Saturation Magnetic Flux Density	剩磁 Reman-ence	矫顽力 Coercivity	居里温度 Curie Tempera-ture	电阻率 Electrical Resistivity	密度 Density
Unit symbol	μ_i ±20%	$\tan \delta/\mu_i$ $\times 10^{-6}$	$\alpha \mu_i \gamma$ $\times 10^{-6}$	Bs (MT)	Br (MT)	HC (A/m)	Tc (°C)	ρ ($\Omega \cdot m$)	d g/cm ³
VN09	850	16(0.1MHz)	5-10	280(1600A/m)	200	20	>130	>10 ⁻⁵	4.6

4. Electrical requirements (电气特性): Z1=50 Ω Min at 25 MHz Z2=100 Ω Min at 100 MHz

5. The Limit of Breakage(外观标准)

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 de fects(≤)	1	2	3	3	3	3	2	2	

Drawing By(制图)

Checked By(审核)

Approved By(核准)

Model.(型号)

Unit(单位)

Rev.(版本)

RD&Dept.
2025.06.03
Li EndiRD&Dept.
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Tom KuangRD&Dept.
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Jet Wu

V18009

mm

Rev.4.0

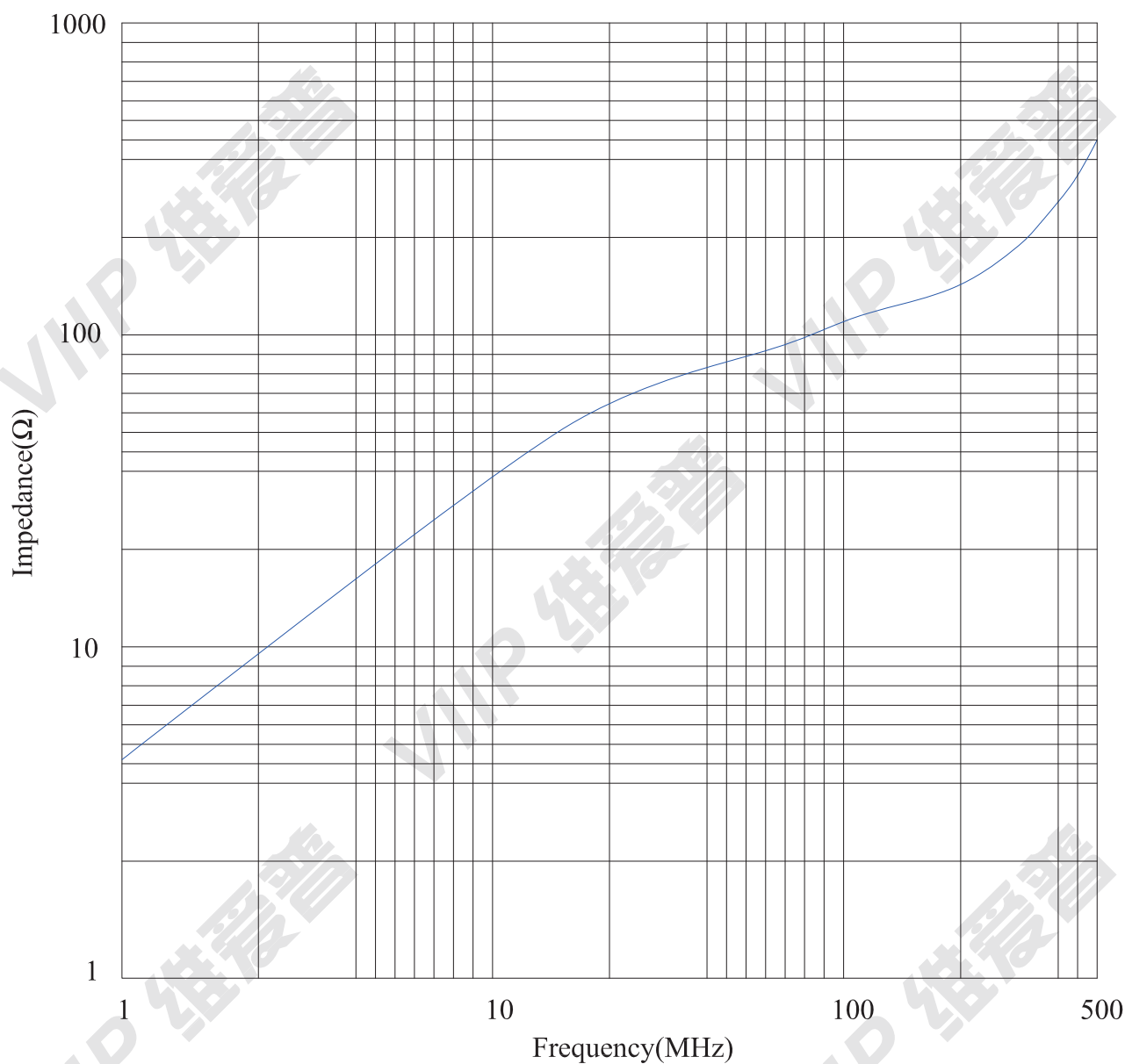
Tel : 0755-29170376

http: www.szviip.com



阻抗-频率测试曲线

Impedance V.S Frequency(Z-Y)



测试条件

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|----------|---------------------|
| 1.测试仪器 | E4991A + 16194A |
| 2.测试频率区间 | 1-500MHz |
| 3.测试线组 | Ø0.5x0.5TSx100L(mm) |



SPECIFICATION

 电源滤波器/EMC抗干扰磁芯/EMC设计整改咨询
 EMI FILTER/FERRITE CORE/EMC DESIGN&DEBUG CONSULTING

检验数据

型号	V18009	绕组	Ø0.5x0.5TSx100L(mm)	测试频率	Z1= 25 KHz MHz	Z2= 100 KHz MHz	Z3= KHz MHz	Z4= KHz MHz					
项目	电气性能				尺寸(mm)								
	L(uH)	Z1(Ω)	Z2(Ω)	Z3(Ω)	Z4(Ω)	A	B	C	D	E	F	G	H
		50	100			19.5	23.0	8.0	19.5	26			
+	/	/			1.0	1.0	0.8	1.0	1.0				
-	0	0			1.0	1.0	0.8	1.0	1.0				
1		61.2	120.6			19.30	22.96	7.90	19.40	26.10			
2		60.6	120.5			19.40	22.99	7.93	19.50	26.11			
3		60.8	121.2			19.39	22.95	7.88	19.48	26.20			
4		61.4	121.1			19.37	22.97	7.83	19.46	26.15			
5		62.0	121.0			19.35	23.03	7.92	19.44	26.22			
6		61.0	120.8			19.33	23.06	7.89	19.42	26.18			
7		60.6	120.7			19.38	23.20	7.91	19.47	26.13			
8		60.2	121.6			19.36	23.10	8.08	19.49	26.17			
9		61.4	121.3			19.34	23.13	8.04	19.42	26.19			
10		62.4	120.5			19.32	23.11	8.07	19.48	26.21			
$\bar{X}$		61.16	120.93			19.35	23.05	7.94	19.45	26.16			
Y/N		Y	Y			Y	Y	Y	Y	Y			

测试仪器：E4991A + 16194A

