

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) V18034

Our Part No. (产品编码)

Our Part No. (产品料号) 6080024195

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>	V18034
<i>Part Name</i>	Ferrite Core	<i>Rev .</i>	4.0

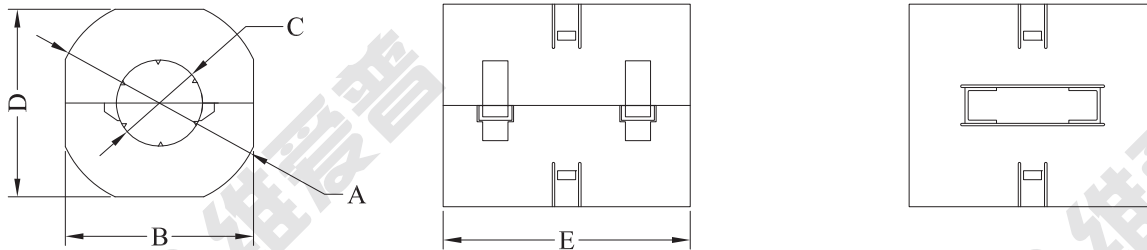
<i>Rev.</i>	<i>Description</i>	<i>Effective Date</i>	<i>Page</i>	<i>Approved</i>
4.0	-Initial release	Jun.3.2025	3-5	Jet
<i>Prepared By</i>		<i>Reviewed By</i>	<i>Approved By</i>	
RD&Dept. 2025.06.03 Li Endi		RD&Dept. 2025.06.03 Tom Kuang	RD&Dept. 2025.06.03 Jet Wu	



SPECIFICATION

 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

2.Physical Dimensions(尺寸图):



Item(项目)	Dimension(尺寸)	Tolerance(公差范围)	Unit(单位)
A	34.3	± 0.5	mm
B	31.2	± 0.5	mm
C	14.0	± 0.6	mm
D	29.6	± 0.5	mm
E	40.8	± 0.5	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%	$\tan \delta/\mu_i$ $\times 10^{-6}$	α μ_i γ $\times 10^{-6}$	Bs (MT)	Br (MT)	HC (A/m)	Tc (°C)	ρ ($\Omega \cdot m$)	d g/cm ³
VN09	850	16(0.01MHz)	5-10	280(1600A/m)	200	20	>130	>10 ⁵	4.6

4. Electrical requirements(电气特性):Z1=100 Ω Min at 25 MHz Z2=160 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 Endi	RD&Dept. 2025.06.03 Tom Kuang	RD&Dept. 2025.06.03 Jet Wu	V18034	mm	Rev.4.0

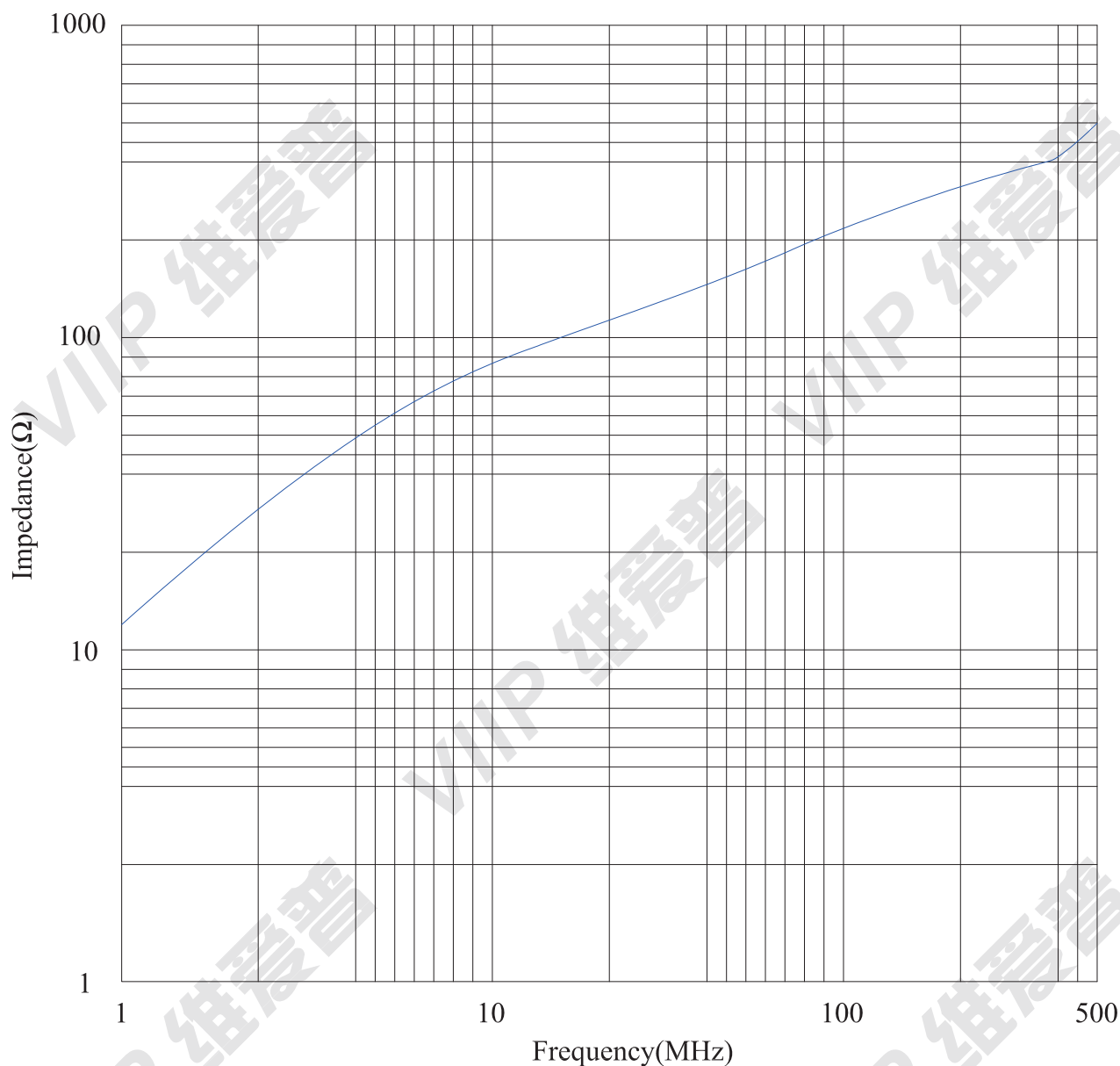
Tel : 0755-29170376

http: www.szviip.com



阻抗-频率测试曲线

Impedance V.S Frequency(Z-Y)



测试条件

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



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检验数据

型号	V18034	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
		100	160			34.3	31.2	14.0	29.6	40.8			
+	/	/			0.5	0.5	0.6	0.5	0.5				
-	0	0			0.5	0.5	0.6	0.5	0.5				
1		143.2	231.0			34.27	31.35	14.21	29.58	40.81			
2		142.6	230.6			34.30	31.42	14.13	29.62	41.02			
3		143.2	229.6			34.40	31.44	14.12	29.57	40.79			
4		143.6	229.8			34.29	31.50	13.99	29.64	40.56			
5		142.1	230.1			34.17	31.43	13.95	29.62	40.37			
6		141.6	231.2			34.32	31.49	14.26	29.67	40.78			
7		141.9	230.0			34.35	31.50	14.16	29.57	40.66			
8		142.0	231.1			32.23	31.56	14.15	29.70	40.95			
9		142.3	230.6			34.28	31.35	14.46	29.68	40.86			
10		143.0	229.5			34.40	31.40	14.13	29.59	40.73			
$\bar{X}$		142.55	230.35			34.30	31.44	14.16	29.62	40.75			
Y/N	Y	Y			Y	Y	Y	Y	Y				
测试仪器：E4991A 