

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) V19007

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029063

Date (制作日期) Apr.21.2025

Approved by Customer
客 户 承 认

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1 Amendment History

<i>Customer P/N</i>		<i>VIIP P/N</i>	V19007
<i>Part Name</i>	Ferrite Core	<i>Rev .</i>	4.0

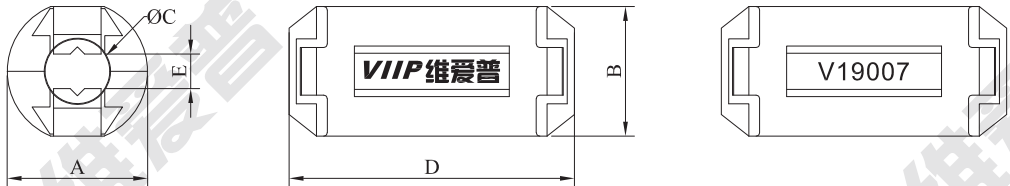
<i>Rev.</i>	<i>Description</i>	<i>Effective Date</i>	<i>Page</i>	<i>Approved</i>
4.0	-Initial release	Apr.21.2025	3-5	Jet
<i>Prepared By</i>		<i>Reviewed By</i>	<i>Approved By</i>	
RD&Dept. 2025.04.21 Li Endi		RD&Dept. 2025.04.21 Tom Kuang	RD&Dept. 2025.04.21 Jet Wu	



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	19.5	± 0.8	mm
B	18.0	± 0.8	mm
C	9.0	± 0.8	mm
D	39.8	± 1.0	mm
E	5.0	± 0.8	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 $\pm 20\%$	$\tan \delta / \mu_i$ $\times 10^{-6}$	$\alpha \mu_i \gamma$ $\times 10^{-6}$	Bs (MT)	Br (MT)	HC (A/m)	Tc ($^{\circ}\text{C}$)	ρ ($\Omega \cdot \text{m}$)	d g/cm^3
VN09	850	16(0.01MHz)	5-10	350(1600A/m)	200	20	>110	> 10^5	4.7

4. Electrical requirements(电气特性):Z1=75 Ω Min at 25 MHz Z2=150 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($\leq$)	1	2	3	3	3	3	2	2	

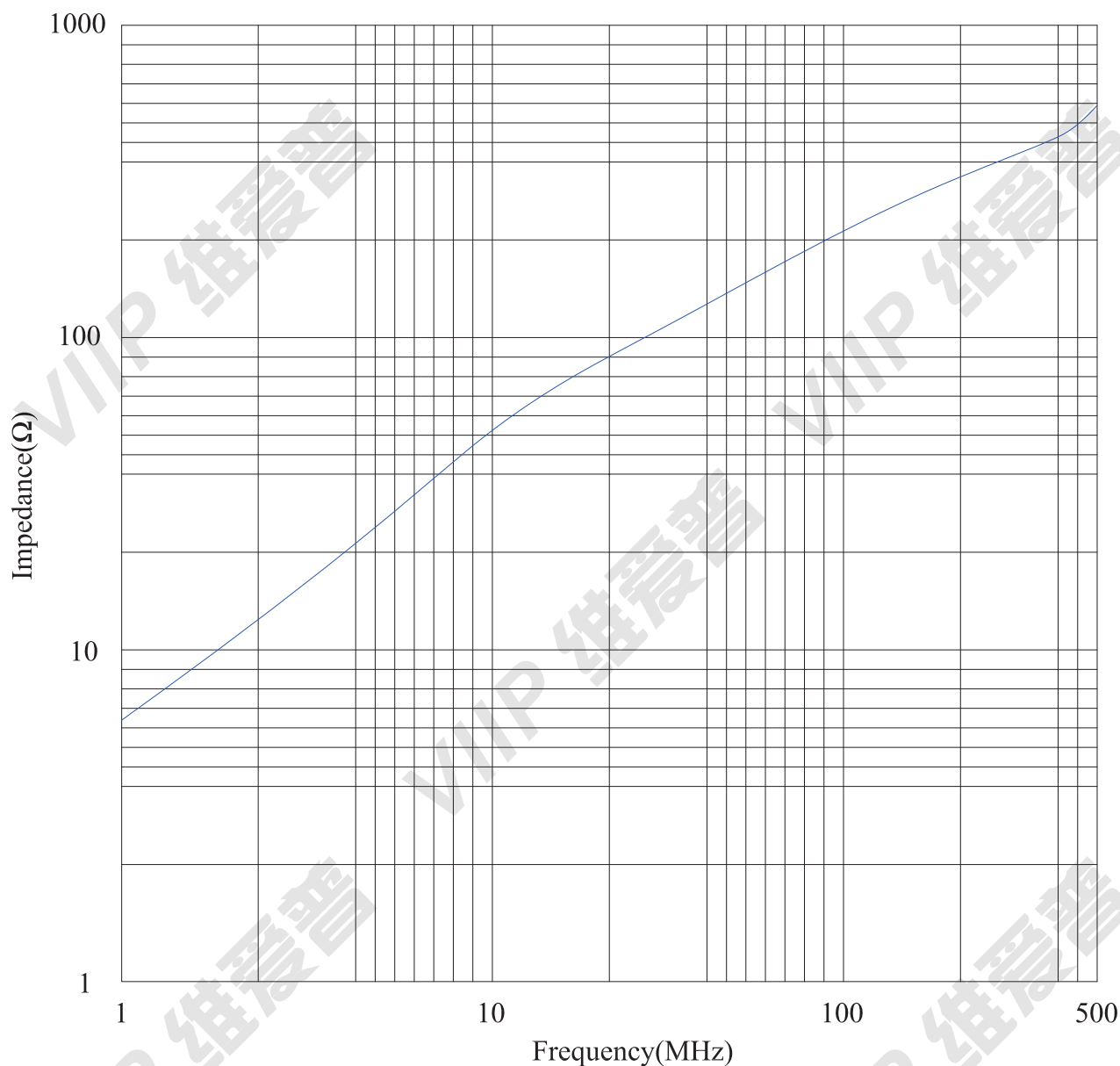
Drawing By(制图)	Checked By(审核)	Approved By(核准)	Model.(型号)	Unit(单位)	Rev.(版本)
			V19007	mm	Rev.4.0

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 |
| 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	V19007		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	
		75	150			19.5	18.0	9.0	39.8	5.0				
+		/	/			0.8	0.8	0.8	1.0	0.8				
-		0	0			0.8	0.8	0.8	1.0	0.8				
1		104.3	202.8			19.62	18.04	8.90	39.81	4.98				
2		105.3	204.8			19.63	18.02	8.93	39.82	4.95				
3		105.3	204.8			19.59	17.98	8.96	39.84	5.05				
4		104.3	202.8			19.65	18.01	8.99	39.86	5.06				
5		103.3	200.8			19.66	18.02	8.98	39.85	4.99				
6		102.2	198.7			19.68	17.99	8.95	39.86	4.96				
7		105.3	204.8			19.69	18.04	8.92	39.84	5.04				
8		106.4	206.9			19.62	18.02	8.91	39.83	5.01				
9		103.3	200.8			19.68	17.98	8.94	39.84	5.07				
10		106.4	206.9			19.67	17.97	8.97	39.85	4.98				
$\bar{X}$		104.6	203.4			19.64	18.00	8.94	39.84	5.00				
Y/N		Y	Y			Y	Y	Y	Y	Y				
测试仪器：E4991A 