

APPROVAL SHEETS

承 认 书

Customer (客户名称)

Your Part No. (客户料号)

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

Product Name (产品型号) V18007

Our Part No. (产品编码)

Our Part No. (产品料号) 6080024025

Date (制作日期) Apr.3.2025

Approved by Customer
客 户 承 认

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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):

尺寸 Dimensions	
A	32.5±1.0mm
B	30.5±1.0mm
C	13.0±0.8mm
D	32.0±1.0mm

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=90Ω Min at 25 MHz Z2=170 Ω Min at 100 MHz

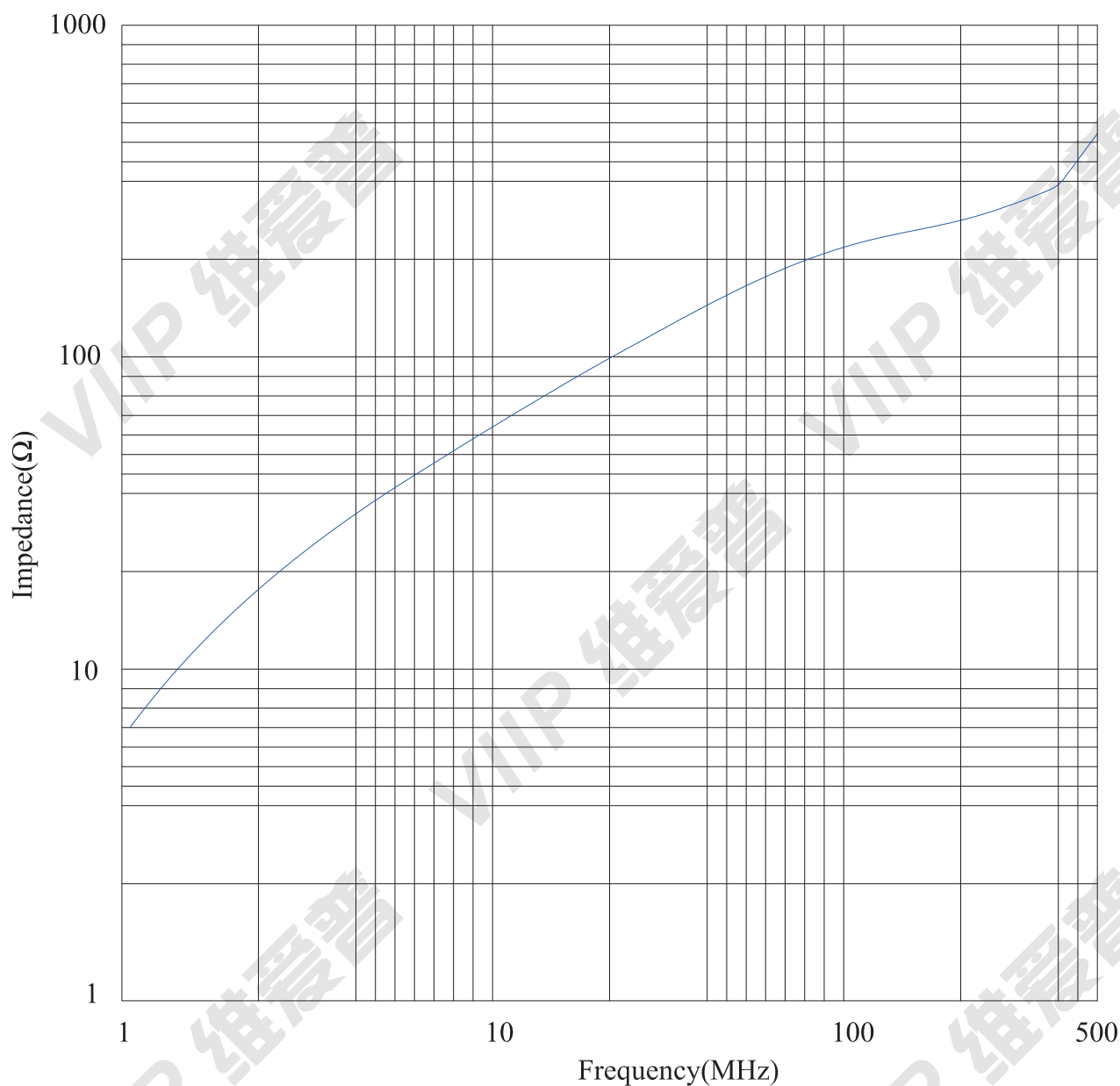
5.The Limit of Breakage(外观标准)

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. 2025.04.17 Li Endi	RD&Dept. 2025.04.17 Tom Kuang	RD&Dept. 2025.04.17 Jet Wu	V18007	mm	Rev.4.0



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) |



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检验数据

型号	V18007		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
		90	170			32.5	30.5	13.0	32.0				
+	/	/			1.0	1.0	0.8	1.0					
-	0	0			1.0	1.0	0.8	1.0					
1		117.5	217.6			32.53	30.50	13.79	32.28				
2		117.3	218.0			32.61	30.49	13.61	32.32				
3		116.8	218.2			32.55	30.52	13.57	32.32				
4		116.9	217.8			32.59	30.50	13.72	32.45				
5		117.5	217.4			32.56	30.51	13.66	32.45				
6		117.6	218.6			32.63	30.52	13.69	32.40				
7		117.1	218.2			32.60	30.55	13.67	32.42				
8		116.3	217.6			32.58	30.54	13.68	32.30				
9		116.4	217.8			32.60	30.52	13.59	32.29				
10		117.2	218.4			32.56	30.55	13.74	32.43				
$\bar{X}$		117.06	217.96			32.58	30.52	13.67	32.36				
Y/N		Y	Y			Y	Y	Y	Y				

测试仪器：E4991A+16194A

