

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) V18017FS 灰

Our Part No. (产品编码)

Our Part No. (产品料号) 6080028017

Date (制作日期) Jun.3.2025

Approved by Customer

客 户 承 认



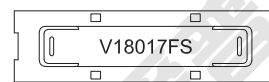
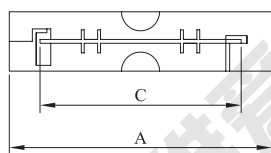
<i>Custromer P/N</i>		<i>VIIP P/N</i>	V18017FS 灰
<i>Part Name</i>	Ferrite Core	<i>Rev.</i>	4.0

Rev.	Description	Effective Date	Page	Approved
4.0	-Initial release	Jun.3.2025	3-5	Jet
Prepared By		Reviewed By	Approved By	
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	68.5	±1.0	mm
B	15.5	±1.0	mm
C	52.6	±1.0	mm
D	18.9	±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
VN19	1600	<10(0.01MHz) <100(0.5MHz)	1-3	330(1600A/m)	360	30	>150	>10 ⁻⁵	5.0

4.Electrical requirements (电气特性): Z1=50 Ω Min at 25 MHz Z2=110 Ω Min at 100 MHz

5.The Limit of Breakage(外观标准):

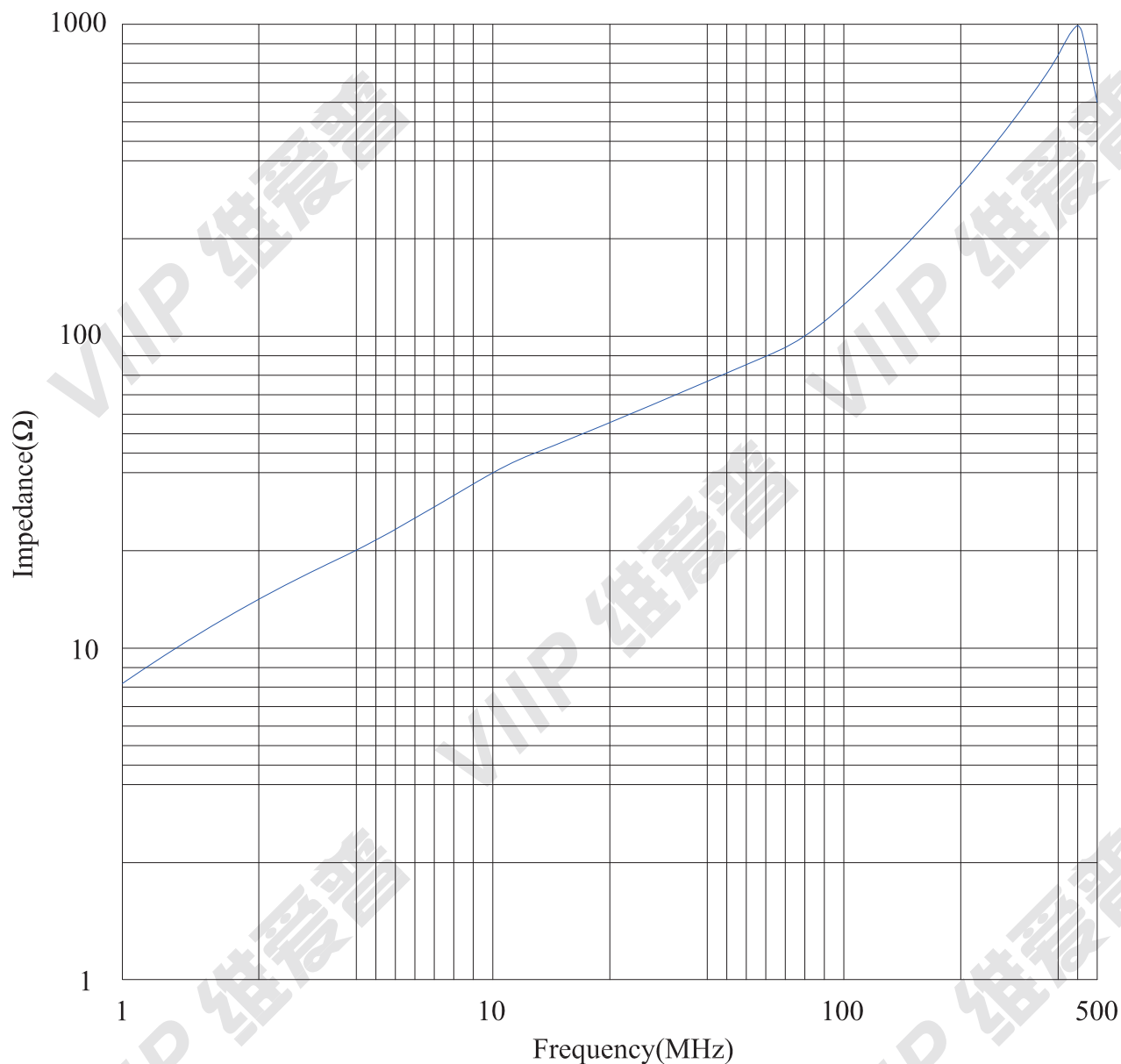
OD(mm)	0~5	5.1~10	10.1~15	15.1~20	20.1~25	25.1~30	30.1~35	35以上	
缺陷面积 Defect area (mm ²)	≤1	≤2	≤3	≤4	≤5	≤6	≤7	≤8	
缺陷个数 Number of de fects(≤)	1	2	3	3	3	3	2	2	

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	V18017FS 灰	mm	Rev.4.0



阻抗-频率测试曲线

Impedance V.S Frequency(Z-Y)



测试条件

- | | |
|----------|-----------------------|
| 1.测试仪器 | E4991A+16194A |
| 2.测试频率区间 | 1-500MHz |
| 3.测试线组 | Ø0.65x0.65TSx165L(mm) |



SPECIFICATION

检验数据

型号	V18017FS 灰		绕组	Ø0.65x0.65TSx165L(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	110			68.5	15.5	52.6	18.9				
+		/	/			1.0	1.0	1.0	1.0				
-		0	0			1.0	1.0	1.0	1.0				
1		53.6	120.1			68.56	15.65	52.62	18.78				
2		54.3	122.1			68.62	15.69	52.61	18.77				
3		54.3	122.1			68.56	15.63	52.64	18.84				
4		53.6	120.1			68.54	15.64	52.63	18.83				
5		52.9	118.1			68.62	15.64	52.65	18.85				
6		52.1	116.1			68.55	15.62	52.62	18.86				
7		53.4	122.1			68.53	15.71	52.62	18.86				
8		55.1	124.1			68.51	15.68	52.63	18.91				
9		52.9	118.1			68.60	15.69	52.64	18.86				
10		55.1	124.1			68.58	15.66	52.64	18.87				
$\bar{X}$		53.8	120.7			68.57	15.66	52.63	18.84				
Y/N		Y	Y			Y	Y	Y	Y				

测试仪器：E4991A+16194A

