

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) V18016FS

Our Part No. (产品编码)

Our Part No. (产品料号) 6080028012

Date (制作日期) Jun.3.2025

Approved by Customer
客 户 承 认

1 Amendment History

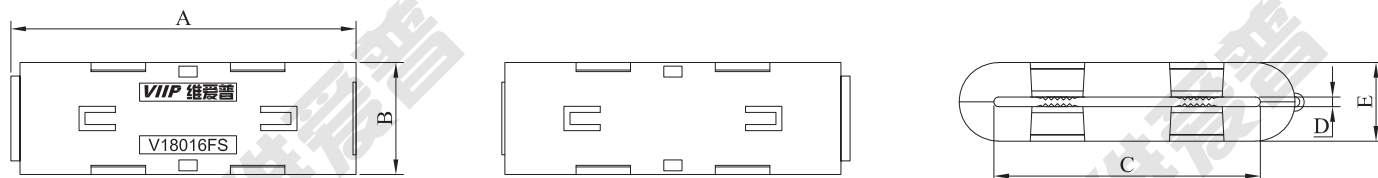
<i>Custromer P/N</i>		<i>VIIP P/N</i>	V18016FS
<i>Part Name</i>	Ferrite Core	<i>Rev .</i>	4.0

<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	55.5	±1.0	mm
B	18.5	±0.5	mm
C	44.0	±1.0	mm
D	2.0	±0.4	mm
E	13.0	±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%	$\tan \delta/\mu_i$ $\times 10^{-6}$	$\alpha \mu_i \gamma$ $\times 10^{-6}$	Bs (MT)	Br (MT)	HC (A/m)	Tc (°C)	ρ ($\Omega \cdot m$)	d g/cm ³
VN09	850	16(0.1MHz)	5-10	350(1600A/m)	200	20	>130	>10 ⁻⁵	4.7

4. Electrical requirements (电气特性): Z1=30 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)

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 2025.06.03
 Li Endi

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V18016FS

mm

Rev.4.0

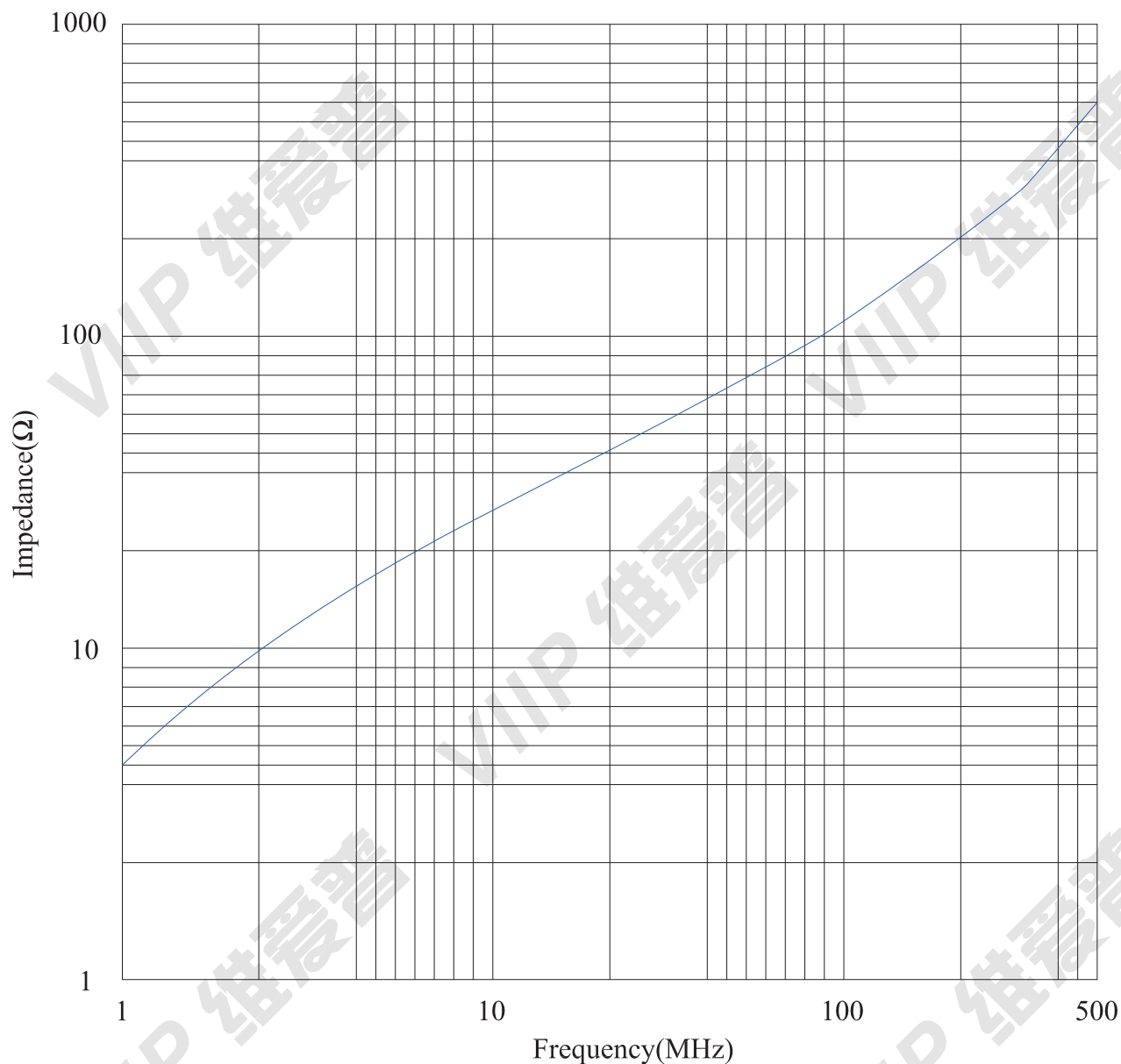
Tel : 0755-29170376

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



SPECIFICATION

检验数据

型号	V18016FS	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
		30	100			55.5	18.5	44.0	2.0	13			
+	/	/			1.0	0.5	1.0	0.4	0.5				
-	0	0			1.0	0.5	1.0	0.4	0.5				
1		32.2	107.6			55.65	18.42	44.03	2.18	13.22			
2		33.8	108.9			55.69	18.45	44.04	2.16	13.20			
3		33.0	108.5			55.74	18.45	44.02	2.21	13.18			
4		32.6	107.6			55.62	18.42	44.05	2.18	13.24			
5		32.9	109.5			55.68	18.51	44.03	2.25	13.22			
6		33.4	109.0			55.61	18.46	44.04	2.23	13.26			
7		33.2	108.2			55.64	18.44	43.95	2.24	13.12			
8		32.7	109.4			55.63	18.48	43.99	2.16	13.18			
9		32.6	107.8			55.66	18.49	43.96	2.23	13.16			
10		33.0	109.6			55.67	18.43	43.98	2.22	13.20			
X̄		32.94	108.61			55.65	18.45	44.00	2.20	13.19			
Y/N		Y	Y			Y	Y	Y	Y	Y			

测试仪器：E4991A+16194A

