

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) V18015FS

Our Part No. (产品编码)

Our Part No. (产品料号) 6080028011

Date (制作日期) May.27.2025

Approved by Customer
客 户 承 认

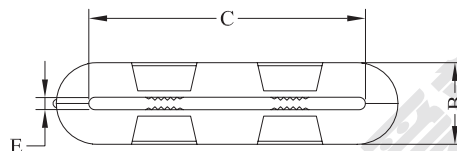
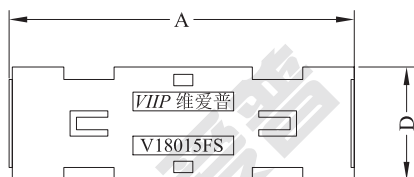
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SPECIFICATION

 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) :



Item(项目)	Dimension(尺寸)	Tolerance(公差范围)	Unit(单位)
A	39.0	± 1.0	mm
B	12.5	± 0.8	mm
C	28.0	± 1.0	mm
D	18.0	± 1.0	mm
E	2.0	± 0.6	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 (°C)	ρ ($\Omega \cdot m$)	d g/cm ³
VN09	850	16(0.1MHz)	5-10	350(1600A/m)	200	20	>110	>10 ⁵	4.7

4. Electrical requirements (电气特性) :Z1=25 Ω Min at 25 MHz Z2=90 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	

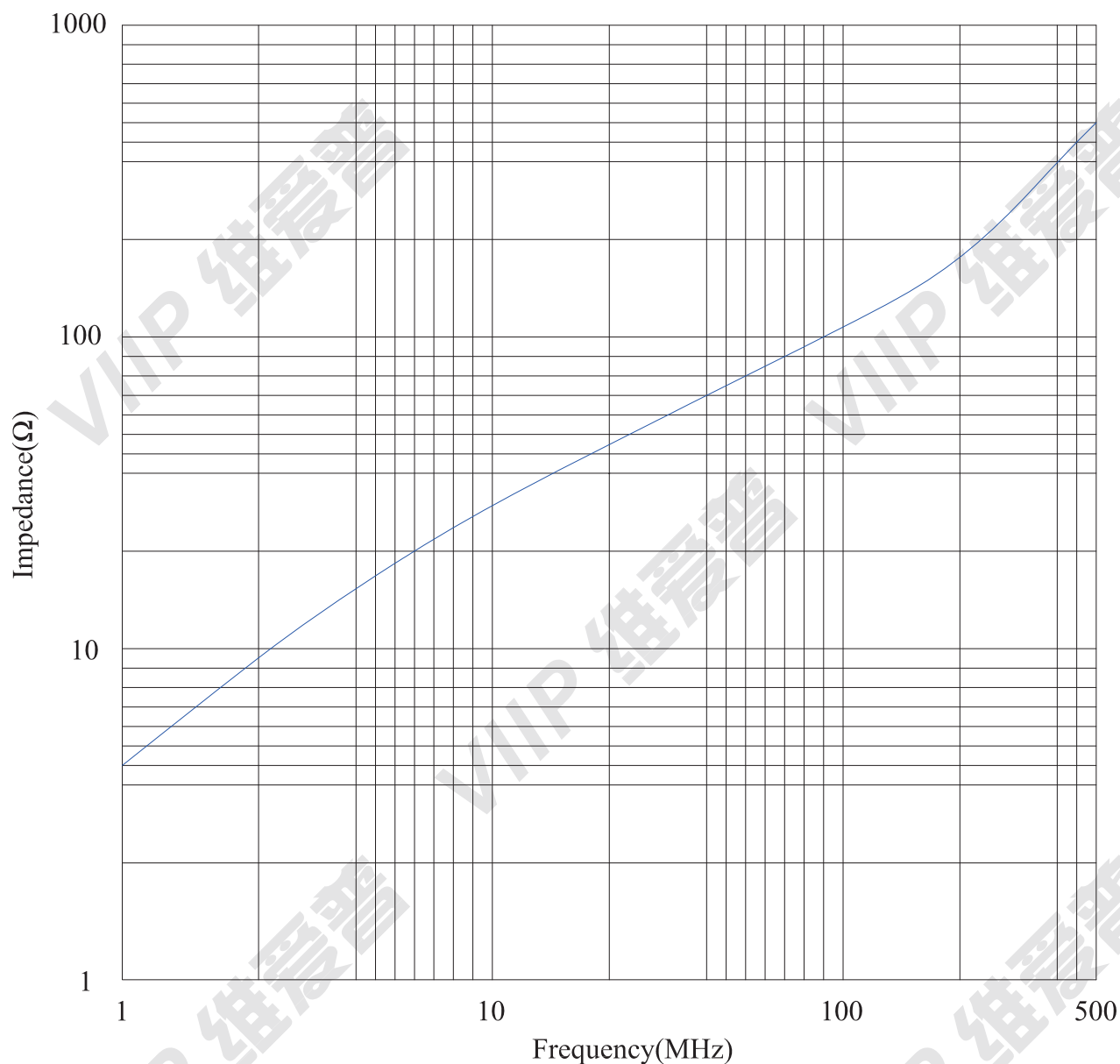
Drawing By(制图)	Checked By(审核)	Approved By(核准)	Model.(型号)	Unit(单位)	Rev.(版本)
RD&Dept. 2025.05.27 Li Endi	RD&Dept. 2025.05.27 Tom Kuang	RD&Dept. 2025.05.27 Jet Wu	V18015FS	mm	Rev.4.0

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) |



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检验数据

型号	V18015FS	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
		25	90			39.0	12.5	28.0	18.0	2.0			
+	/	/			1.0	0.8	1.0	1.0	0.6				
-	0	0			1.0	0.8	1.0	1.0	0.6				
1	28.2	112.6			38.98	12.57	28.04	18.03	1.94				
2	29.8	113.9			38.90	12.52	27.90	18.01	2.00				
3	29.0	113.5			38.90	12.58	28.04	18.14	1.97				
4	28.6	115.6			38.93	12.72	28.11	17.98	1.87				
5	28.9	115.5			38.89	12.68	28.04	17.96	1.84				
6	30.4	114.0			38.98	12.54	28.26	17.97	1.81				
7	29.2	113.2			38.99	12.52	28.06	18.10	1.88				
8	28.7	115.4			39.02	12.53	28.09	17.85	1.81				
9	29.6	112.8			39.09	12.61	27.69	18.06	2.00				
10	29.0	114.6			39.98	12.72	28.06	18.05	1.89				
X̄	29.14	114.11			38.96	12.60	28.01	18.02	1.90				
Y/N	Y	Y			Y	Y	Y	Y	Y				
测试仪器：E4991A+16194A 