

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) V18017

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029011

Date (制作日期) Jun.3.2025

Approved by Customer
客 户 承 认

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1 Amendment History

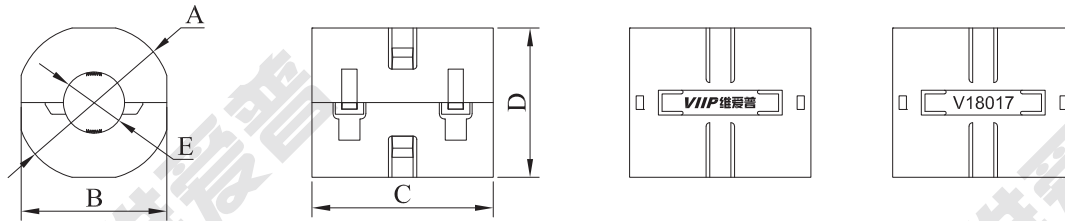
Custromer P/N		VIIP P/N	V18017	
Part Name	Ferrite Core	Rev .	4.0	
Rev.	Description	Effective Date	Page	Approved
4.0	-Initial release	Jun.3.2025	3-5	Jet
Prepared By	Reviewed By		Approved By	
RD&Dept. 2025.06.03 Li Endi	RD&Dept. 2025.06.03 Tom Kuang		RD&Dept. 2025.06.03 Jet Wu	



SPECIFICATION

 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	42.0	±1.0	mm
B	41.0	±1.0	mm
C	50.0	±1.0	mm
D	41.0	±1.0	mm
E	17.5	±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 (Ω.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=125 Ω Min at 25 MHz Z2=205 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	

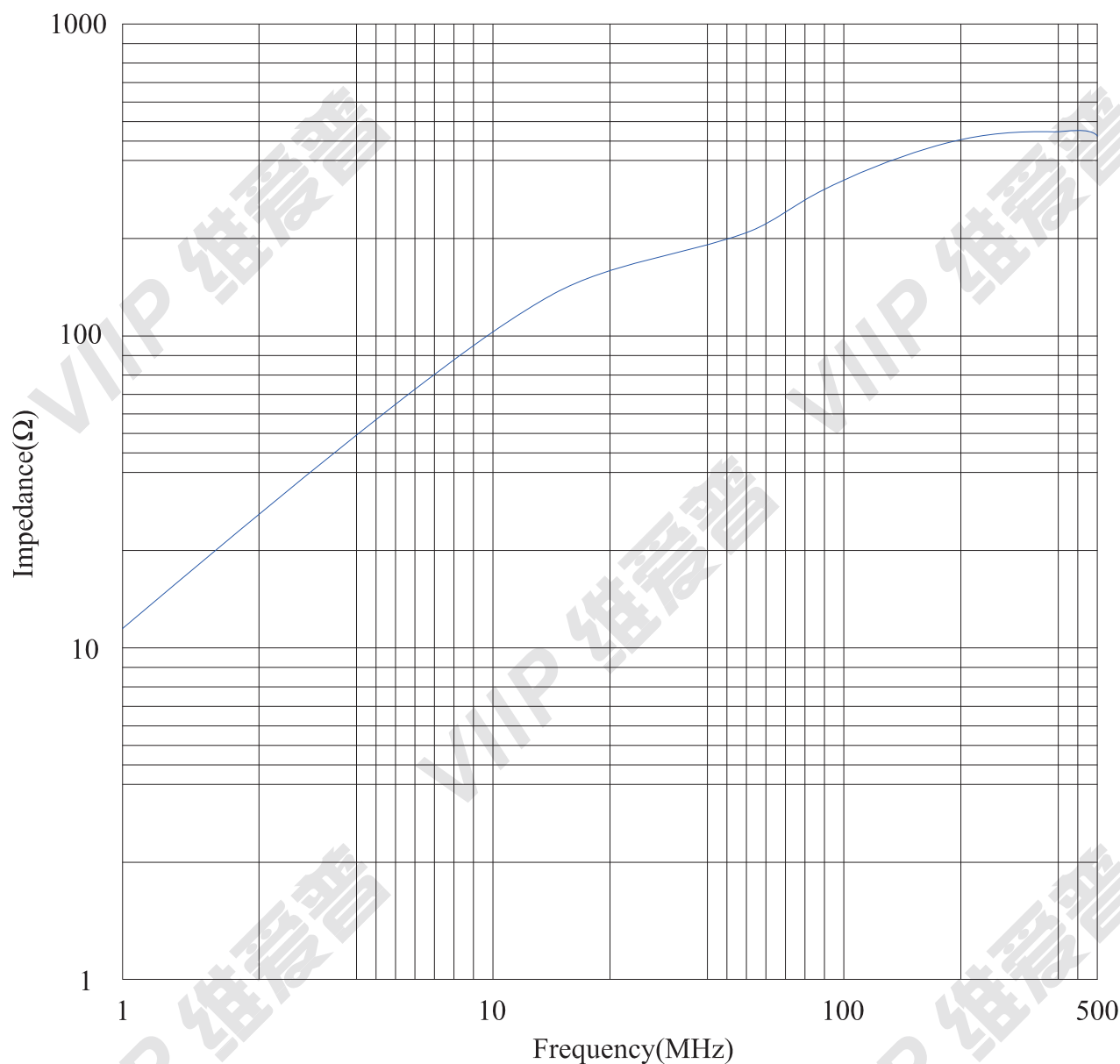
Drawing By(制图)	Checked By(审核)	Approved By(核准)	Model.(型号)	Unit(单位)	Rev.(版本)
RD&Dept. 2025.06.03 Li Endi	RD&Dept. 2025.06.03 Tom Kuang	RD&Dept. 2025.06.03 Jet Wu	V18017	mm	Rev.4.0

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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	V18017		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
		125	205			42.0	41.0	50.0	41.0	17.5			
+	/	/			1.0	1.0	1.0	1.0	1.0				
-	0	0			1.0	1.0	1.0	1.0	1.0				
1		174.2	294.5			42.25	41.11	50.02	41.02	17.55			
2		172.5	295.3			42.06	41.02	50.03	40.95	17.42			
3		172.6	295.1			41.96	41.06	49.96	40.98	17.36			
4		173.5	294.5			41.99	41.08	49.95	41.11	17.39			
5		173.4	294.6			42.15	40.96	50.03	41.23	17.55			
6		174.5	295.8			42.23	40.99	50.02	41.22	17.59			
7		174.6	296.2			42.24	41.23	49.97	41.24	17.62			
8		172.5	295.8			42.21	40.94	49.95	41.06	17.45			
9		173.5	296.5			41.96	41.23	50.12	40.96	17.48			
10		175.6	296.3			41.97	41.15	50.13	40.93	17.39			
$\bar{X}$		173.69	295.46			42.10	41.08	50.02	41.07	17.48			
Y/N		Y	Y			Y	Y	Y	Y	Y			

测试仪器：E4991A + 16194A

