

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) V18013

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029040

Date (制作日期) Jun.3.2025

Approved by Customer
客 户 承 认

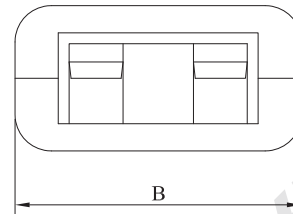
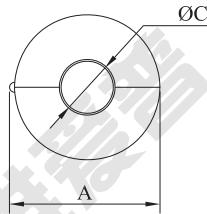
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SPECIFICATION

 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):



Item(项目)	Dimension(尺寸)	Tolerance(公差范围)	Unit(单位)
A	16.5	±1.0	mm
B	29.5	±1.0	mm
C	5.0	±0.8	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%	$\tan \delta/\mu_i$ $\times 10^{-6}$	α μ_i γ $\times 10^{-6}$	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=55 Ω Min at 25 MHz Z2=105 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	

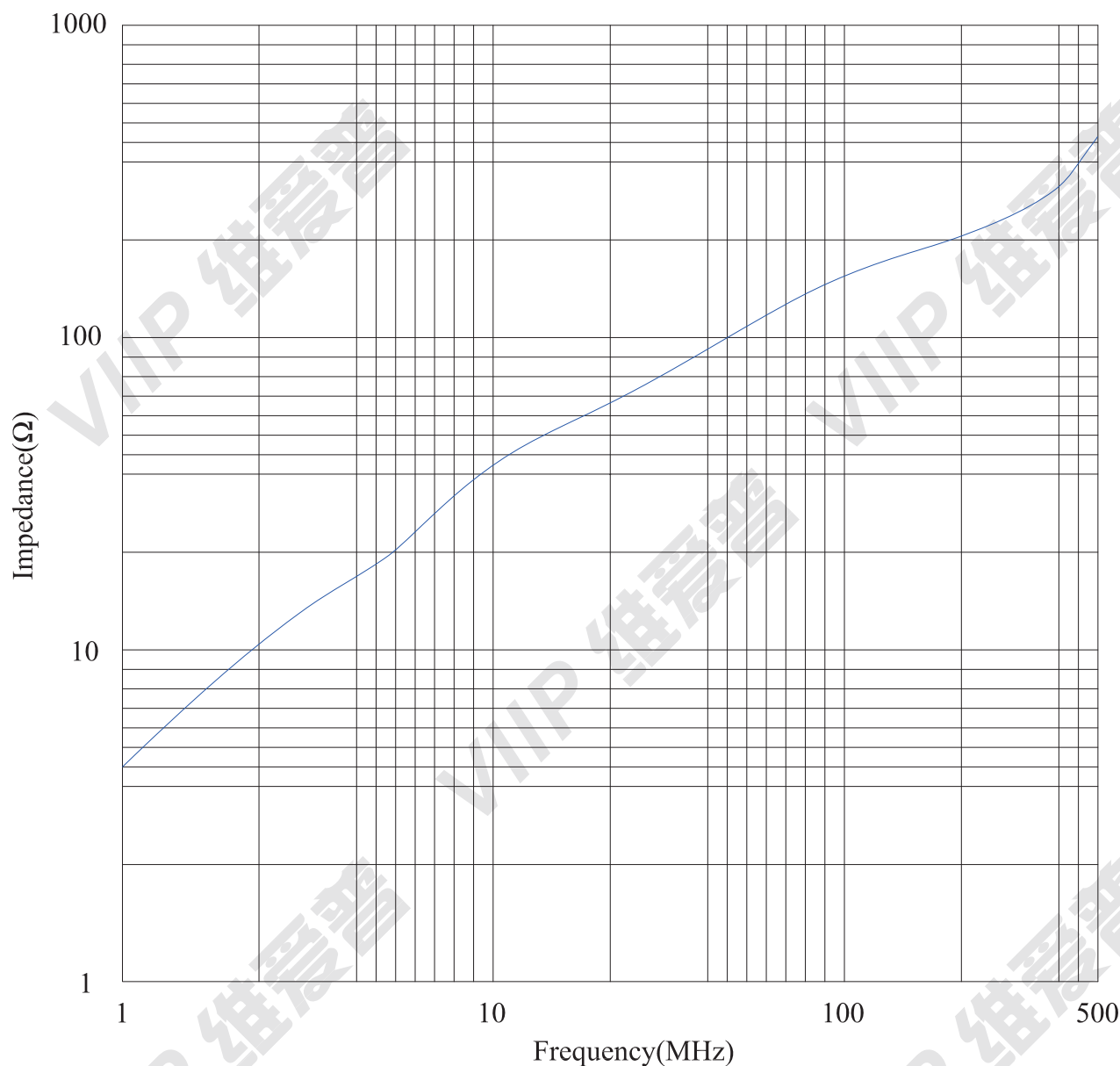
Drawing By(制图)	Checked By(审核)	Approved By(核准)	Model.(型号)	Unit(单位)	Rev.(版本)
RD&Dept. 2025.06.03 Li Endi	RD&Dept. 2025.06.03 Tom Kuang	RD&Dept. 2025.06.03 Jet Wu	V18013	mm	Rev.4.0

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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	V18013	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
		55	105			16.5	29.5	5.0					
+	/	/			1.0	1.0	0.8						
-	0	0			1.0	1.0	0.8						
1	70.8	153.8			16.02	29.55	5.02						
2	72.0	154.0			16.02	29.50	5.00						
3	71.8	152.8			16.03	29.50	5.02						
4	71.4	154.4			16.02	29.55	5.06						
5	70.6	152.6			15.98	29.46	5.02						
6	70.5	153.8			16.02	29.50	5.00						
7	72.4	153.4			16.01	29.48	5.02						
8	70.2	154.2			15.98	29.52	5.04						
9	71.6	153.6			16.02	29.48	5.02						
10	72.3	152.4			15.98	29.56	5.00						
$\bar{X}$	71.36	153.50			16.01	29.51	5.02						
Y/N	Y	Y			Y	Y	Y						

测试仪器：E4991A+16194A

