

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) V18002C

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029019

Date (制作日期) Jun.3.2025

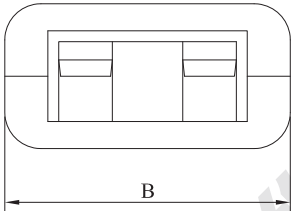
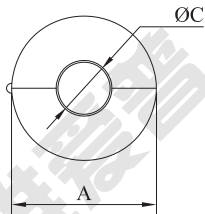
Approved by Customer
客 户 承 认

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SPECIFICATION

2.Physical Dimensions (尺寸图):



Item(项目)	Dimension(尺寸)	Tolerance(公差范围)	Unit(单位)
A	20.7	±1.0	mm
B	39.4	±1.0	mm
C	7.2	±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	280(1600A/m)	200	20	>130	>10 ⁵	4.6

4. Electrical requirements (电气特性): Z1=85 Ω Min at 25 MHz Z2=165 Ω Min at 100 MHz

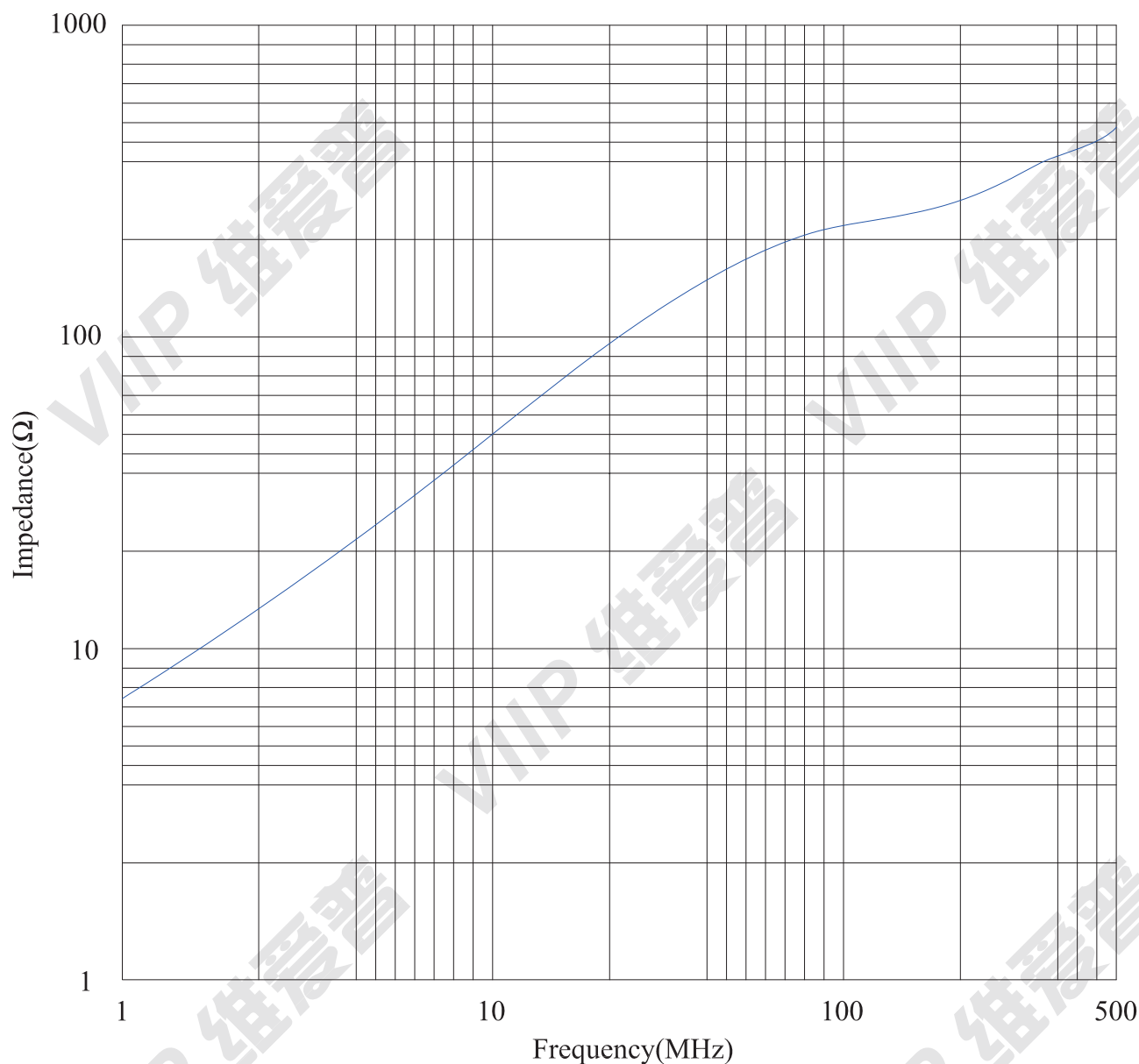
5.The Limit of Breakage(外观标准)

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)
			V18002C	mm	Rev.4.0



阻抗-频率测试曲线 Impedance V.S Frequency(Z-Y)



测试条件

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|----------|---------------------|
| 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

 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

检验数据

型号	V18002C		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
		85	165			20.7	39.4	7.2					
+	/	/			1.0	1.0	0.5						
-	0	0			1.0	1.0	0.5						
1		110.6	209.2			20.70	39.13	7.26					
2		109.2	208.6			20.68	39.26	7.08					
3		110.4	208.8			20.64	39.38	7.15					
4		109.8	209.3			20.66	39.39	7.08					
5		110.0	209.4			20.59	39.40	7.06					
6		109.6	208.2			20.59	39.42	7.10					
7		110.2	209.0			20.70	39.40	7.16					
8		109.4	208.6			20.66	39.18	7.20					
9		109.8	208.4			20.64	39.35	7.04					
10		110.3	209.2			20.68	39.28	7.22					
$\bar{X}$		109.93	208.87			20.65	39.31	7.14					
Y/N	Y	Y			Y	Y	Y						

测试仪器: E4991A+16194A

