

APPROVAL SHEETS

承 认 书

Customer (客户名称)

Your Part No. (客户料号)

Description (产品名称) Ferrite Core (抗干扰磁环)

Product Name (产品型号) V18003

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029013

Date (制作日期) Apr.3.2025

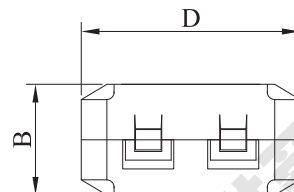
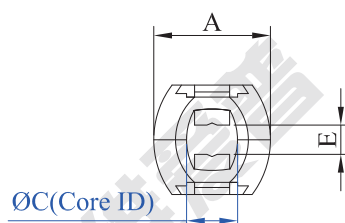
Approved by Customer
客 户 承 认

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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	19.5	±1.0	mm
B	18.0	±1.0	mm
C	9.0	±0.8	mm
D	35.0	±1.0	mm
E	5.5	±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(0.01MHz)	5-10	350(1600A/m)	200	20	>110	>10 ⁵	4.7

4. Electrical requirements(电气特性):Z1=70 Ω Min at 25 MHz Z2=130 Ω Min at 100 MHz

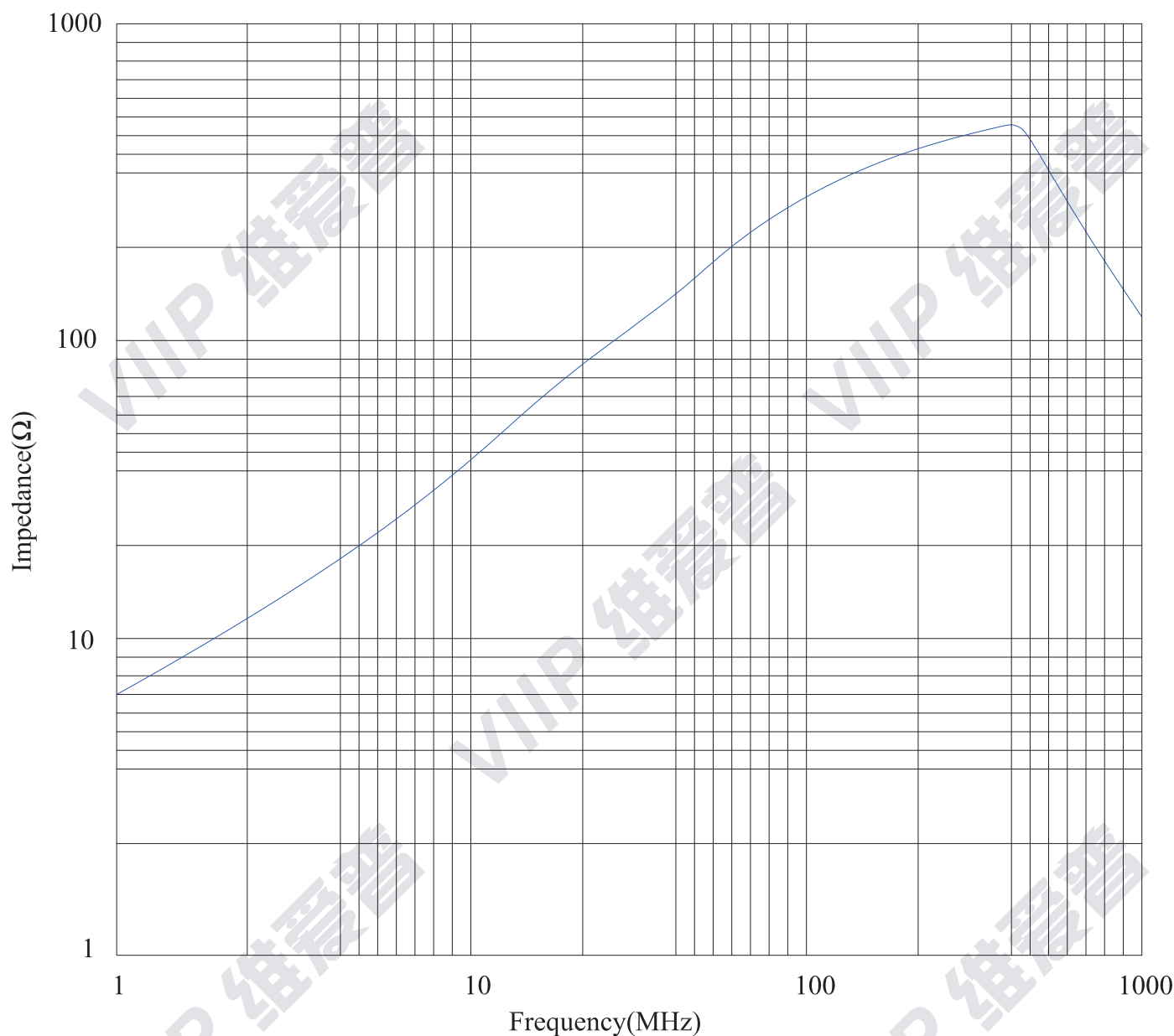
5.The Limit of Breakage(外观标准)

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)	Ordering No.(品名)	Unit(单位)	Rev.(版本)
RD&Dept. 2025.04.03 Li Endi	RD&Dept. 2025.04.03 Tom Kuang	RD&Dept. 2025.04.03 Jet Wu	V18003	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 |
| 2.测试频率区间 | 1-1000MHz |
| 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	V18003	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
		70	130			19.5	18.0	9.0	35.0	5.5			
+	/	/			1.0	1.0	0.8	1.0	1.0				
-	0	0			1.0	1.0	0.8	1.0	1.0				
1		72.2	140.6			19.30	18.40	8.60	35.40	5.50			
2		72.6	140.0			19.40	18.30	8.80	35.50	5.60			
3		72.8	140.2			19.39	18.31	8.70	35.48	5.40			
4		72.4	140.8			19.37	18.33	8.63	35.46	5.45			
5		72.0	140.4			19.35	18.35	8.72	35.44	5.52			
6		73.0	140.6			19.33	18.37	8.69	35.42	5.48			
7		73.6	141.2			19.38	18.39	8.71	35.47	5.53			
8		73.2	141.6			19.36	18.32	8.68	35.49	5.47			
9		73.4	141.8			19.34	18.34	8.64	35.42	5.49			
10		73.4	141.4			19.32	18.36	8.67	35.48	5.51			
$\bar{X}$		72.86	140.86			19.35	18.34	8.68	35.54	5.49			
Y/N		Y	Y			Y	Y	Y	Y	Y			

测试仪器: E4991A

