

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) V19004

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029024

Date (制作日期) Apr.2.2025

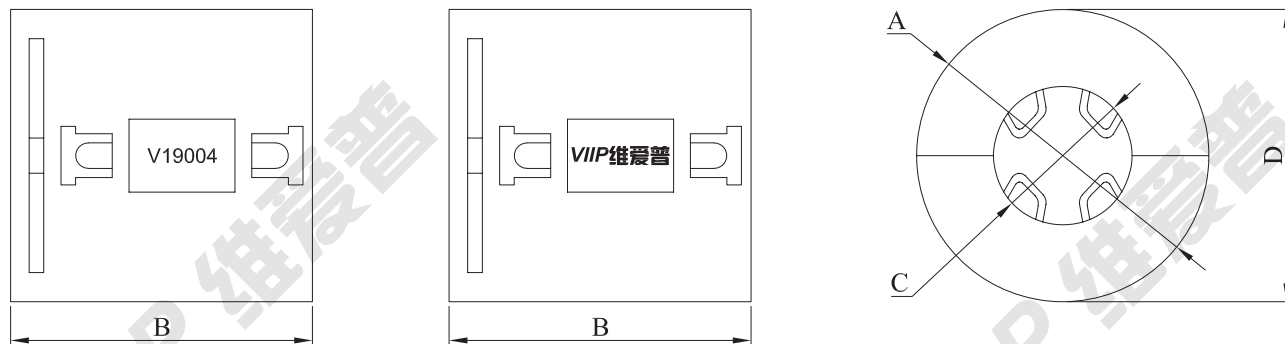
Approved by Customer
客 户 承 认

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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	39.3	±1.0	mm
B	41.3	±1.0	mm
C	19.0	±0.8	mm
D	40.0	±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
VN10	1000	15(0.1MHz)	0.5-3	330(1600A/m)	130	28	>130	>10 ⁵	5.0

4. Electrical requirements(电气特性): Z1=80 Ω Min at 25 MHz Z2=140 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	

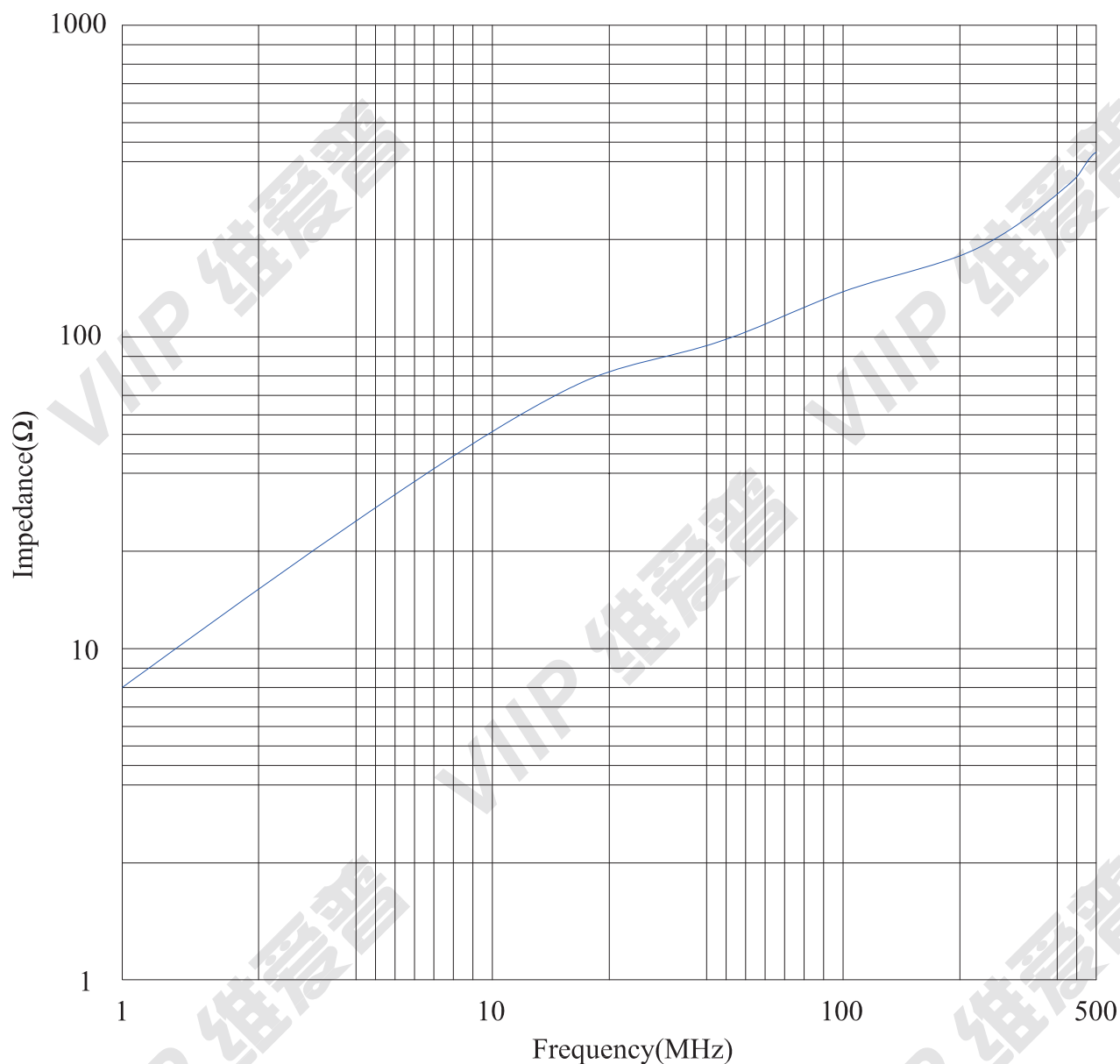
Drawing By(制图)	Checked By(审核)	Approved By(核准)	Ordering No.(品名)	Unit(单位)	Rev.(版本)
RD&Dept. 2025.04.02 Li Endi	RD&Dept. 2025.04.02 Tom Kuang	RD&Dept. 2025.04.02 Jet Wu	V19004	mm	Rev.4.0

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



测试条件

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|----------|---------------------|
| 1.测试仪器 | E4991A+19194A |
| 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	V19004	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
		80	140			39.3	41.3	19.0	40.0				
+	/	/			1.0	1.0	0.8	1.0					
-	0	0			1.0	1.0	0.8	1.0					
1		104.0	168.0			39.26	41.14	19.35	40.17				
2		105.0	169.7			39.18	41.18	19.37	40.13				
3		105.0	169.7			39.38	41.10	19.33	40.29				
4		104.0	168.0			39.30	41.26	19.41	40.05				
5		103.0	166.3			39.22	41.02	19.29	40.09				
6		101.9	164.6			39.38	40.93	19.25	40.29				
7		105.0	169.7			39.14	41.26	19.41	40.29				
8		106.1	171.4			39.06	41.26	19.41	39.97				
9		103.0	166.3			39.38	41.02	19.29	40.09				
10		106.1	171.4			39.34	41.06	19.31	40.29				
$\bar{X}$		104.3	168.5			39.26	41.12	19.34	40.17				
Y/N		Y	Y			Y	Y	Y	Y				

测试仪器: E4991A+19194A

