

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) V19002

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029028

Date (制作日期) Jun.3.2025

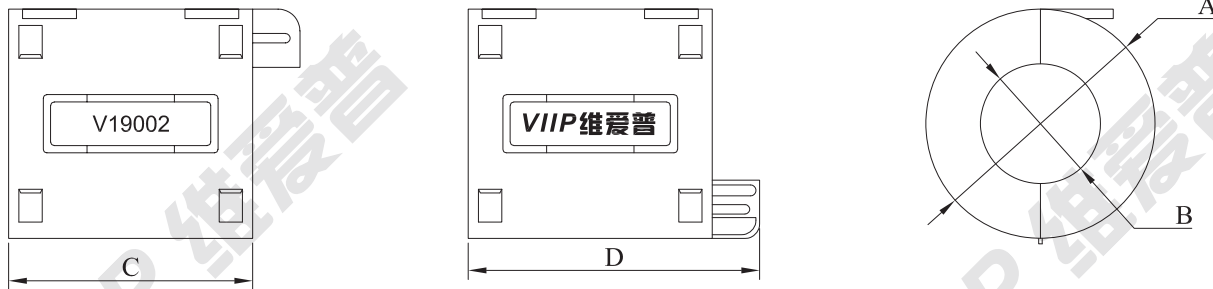
Approved by Customer
客 户 承 认

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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	32.0	±1.0	mm
B	17.0	±1.0	mm
C	33.5	±0.5	mm
D	40.0	±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 (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=50 Ω Min at 25 MHz Z2=140 Ω Min at 100 MHz

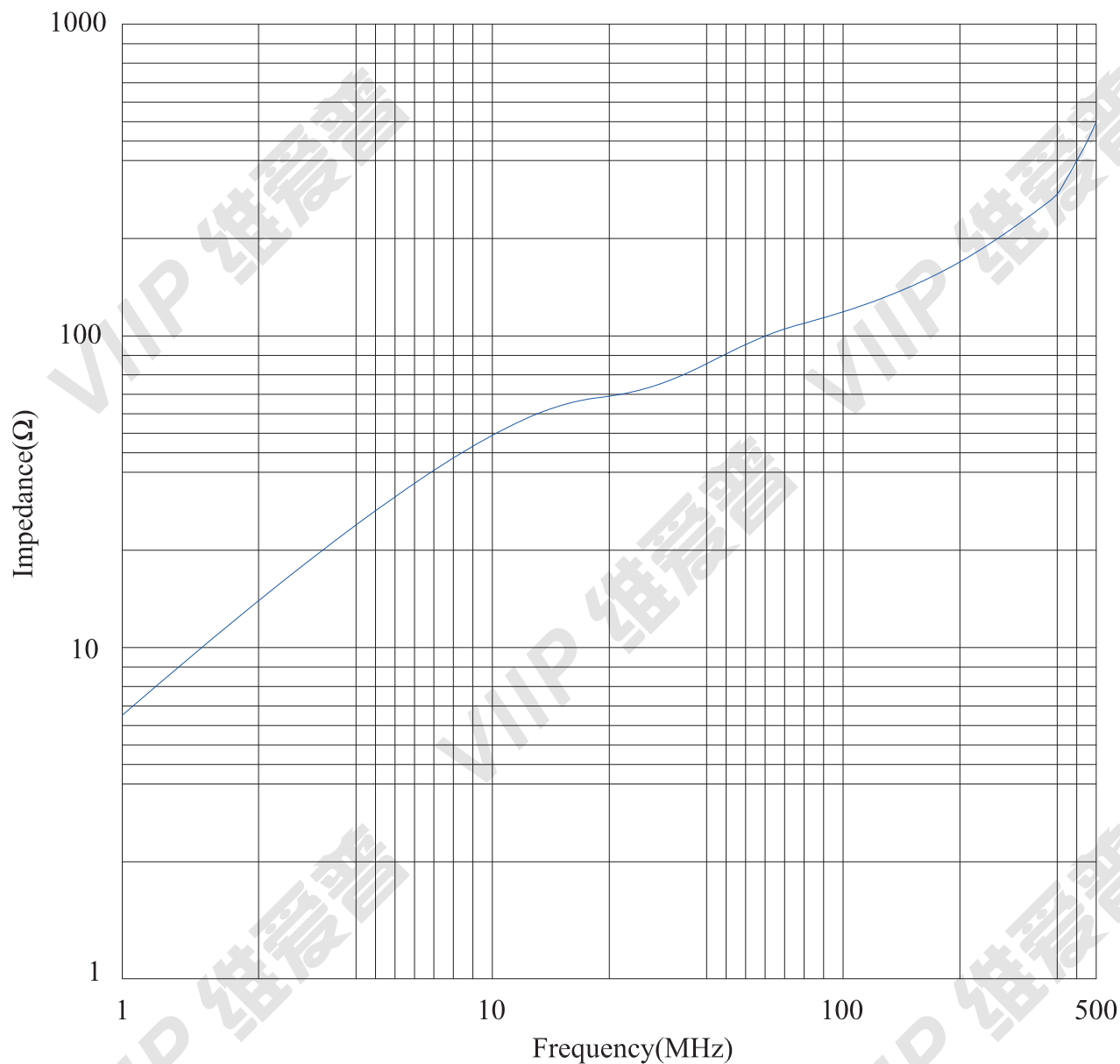
5.The Limit of Breakage(外观标准)

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)	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	V19002	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	V19002		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
		50	140			32.0	17.0	33.5	40.0				
+		/	/			1.0	1.0	0.5	0.5				
-		0	0			1.0	1.0	0.5	0.5				
1		53.9	143.0			32.26	16.92	33.62	40.17				
2		52.9	142.3			32.18	16.95	33.65	40.13				
3		53.0	142.5			32.38	16.90	33.58	40.29				
4		54.1	141.2			32.30	16.93	33.65	40.05				
5		53.5	140.5			32.32	16.92	33.71	40.09				
6		53.6	143.5			32.38	16.99	33.80	40.29				
7		54.2	143.7			32.14	17.01	33.69	40.29				
8		53.7	142.9			32.16	17.08	33.67	39.97				
9		53.4	143.4			32.18	17.04	33.69	40.09				
10		53.5	141.8			32.24	17.07	33.68	40.29				
$\bar{X}$		53.58	142.48			39.25	16.98	33.67	40.17				
Y/N		Y	Y			Y	Y	Y	Y				

测试仪器: E4991A+16194A

