

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) V18025

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029061

Date (制作日期) Jun.3.2025

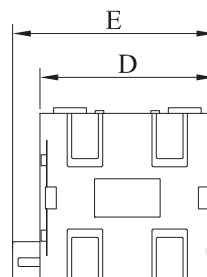
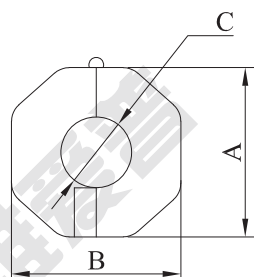
Approved by Customer
客 户 承 认

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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	31.0	± 1.0	mm
B	30.0	± 1.0	mm
C	13.0	± 0.8	mm
D	32.0	± 1.0	mm
E	37.0	± 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 $\pm 20\%$	$\tan \delta / \mu_i$ $\times 10^{-6}$	$\alpha \mu_i \gamma$ $\times 10^{-6}$	Bs (MT)	Br (MT)	HC (A/m)	Tc (°C)	ρ ($\Omega \cdot m$)	d g/cm ³
VN19	1600	<10(0.01MHz) <100(0.5MHz)	1 ~ 10	310(2400A/m)	360	30	>120	>10 ⁶	5.0

4. Electrical requirements (电气特性): Z1=125 Ω Min at 25 MHz Z2=160 Ω Min at 100 MHz

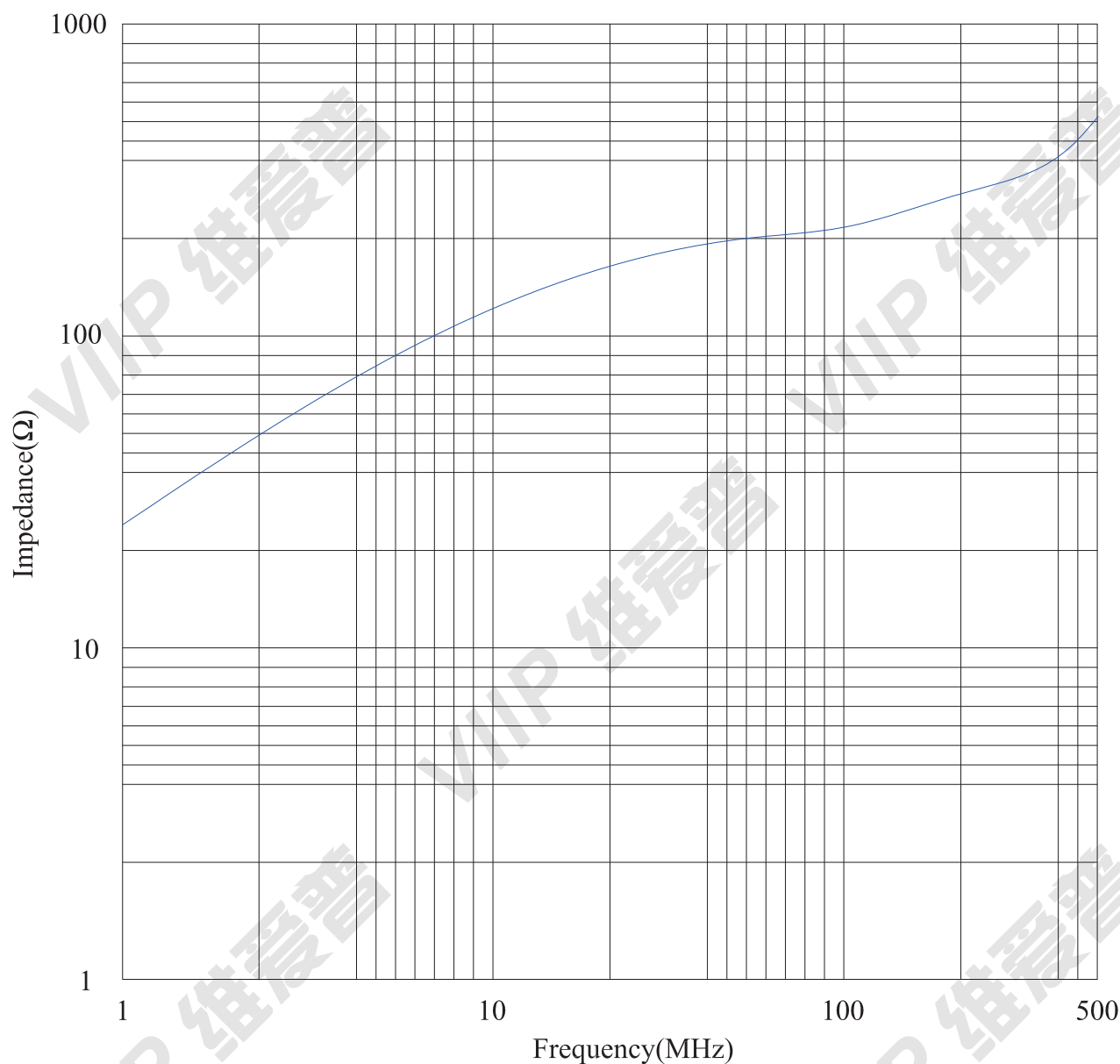
5. The Limit of Breakage(外观标准)

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($\leq$)	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)
			V18025	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 | 1-500MHz |
| 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	V18025		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	
		125	160			31.0	30.0	13.0	32.0	37.0				
+		/	/			1.0	1.0	0.8	1.0	1.0				
-		0	0			1.0	1.0	0.8	1.0	1.0				
1		168.9	218.0			30.89	29.85	13.16	32.07	37.17				
2		170.6	220.2			30.83	29.87	13.17	32.04	37.21				
3		170.6	220.2			30.98	29.88	13.15	32.17	37.13				
4		168.9	218.0			30.92	29.82	13.20	31.97	37.28				
5		167.2	215.8			30.86	29.86	13.12	32.01	37.06				
6		165.5	213.6			30.98	29.84	13.09	32.17	36.98				
7		170.6	220.2			30.80	29.88	13.20	32.17	37.28				
8		172.3	222.4			30.74	29.84	13.20	31.91	37.28				
9		167.2	215.8			30.98	29.88	13.12	32.01	37.06				
10		172.3	222.4			30.95	29.85	13.13	32.17	37.10				
$\bar{X}$		169.4	218.7			30.89	29.85	13.15	32.07	37.16				
Y/N		Y	Y			Y	Y	Y	Y	Y				

测试仪器：E4991A

