

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) V18033

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029056

Date (制作日期) May.9.2025

Approved by Customer
客 户 承 认

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1 Amendment History

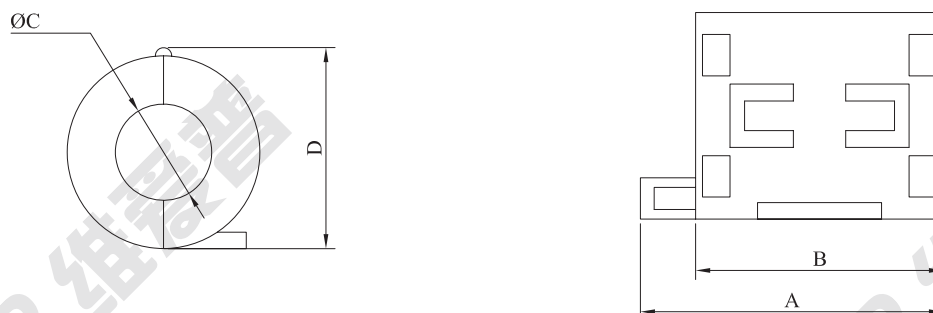
<i>Customer P/N</i>		<i>VIIP P/N</i>	V18033
<i>Part Name</i>	Ferrite Core	<i>Rev .</i>	4.0

<i>Rev.</i>	<i>Description</i>	<i>Effective Date</i>	<i>Page</i>	<i>Approved</i>
4.0	-Initial release	May.9.2025	3-5	Jet
<i>Prepared By</i>		<i>Reviewed By</i>	<i>Approved By</i>	
				



SPECIFICATION

2.Physical Dimensions(尺寸图):



Item(项目)	Dimension(尺寸)	Tolerance(公差范围)	Unit(单位)
A	36.0	±1.0	mm
B	32.0	±1.0	mm
C	8.0	±1.0	mm
D	19.5	±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 (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=80 Ω Min at 25 MHz Z2=125 Ω Min at 100 MHz

5.The Limit of Breakage(外观标准)

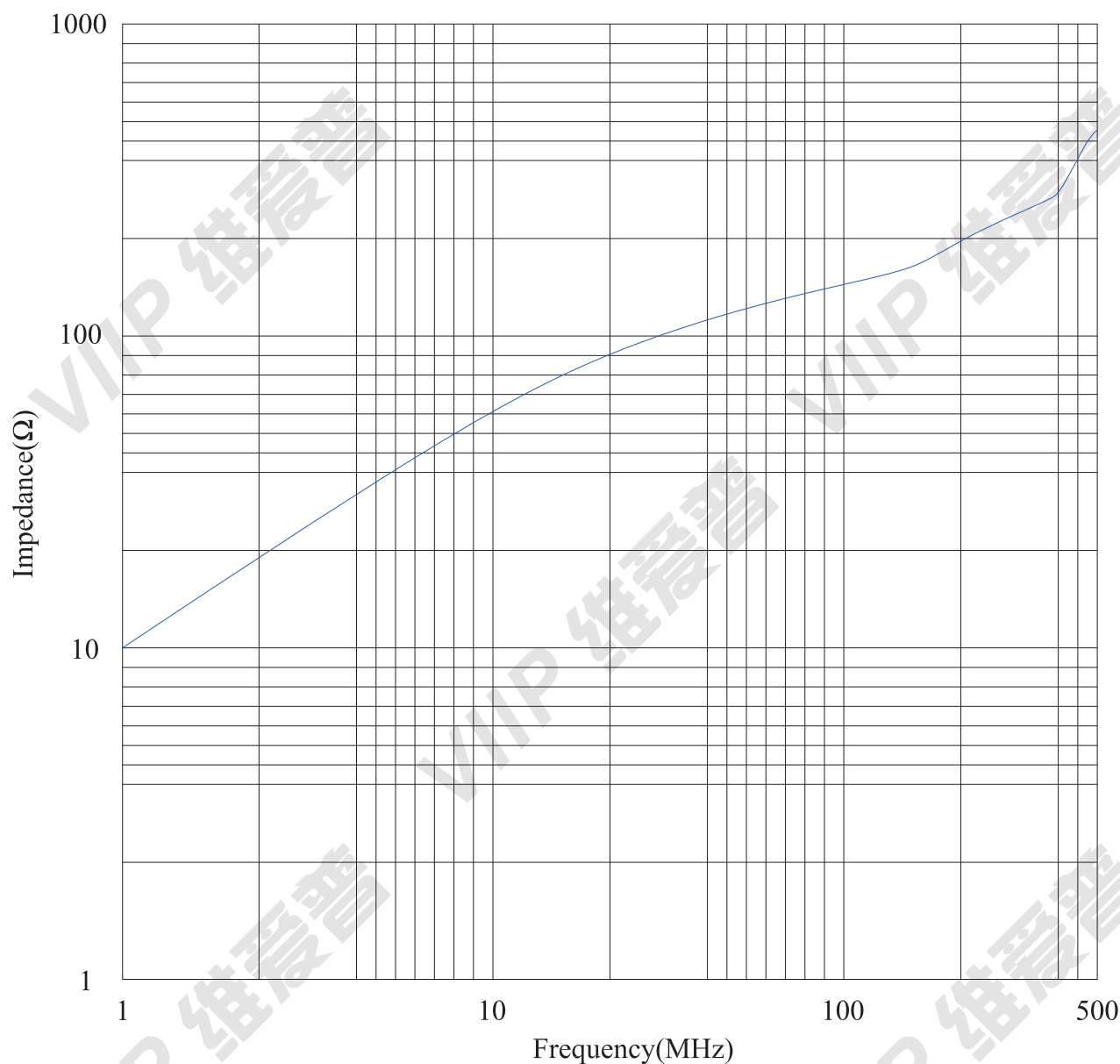
OD(mm)	0~5	5.1~10	10.1~15	15.1~20	20.1~25	25.1~30	30.1~35	35以上
缺陷面积 Defect area (mm²)	≤1	≤2	≤3	≤4	≤5	≤6	≤7	≤8
缺陷个数 Number of de fects(≤)	1	2	3	3	3	3	2	2

Drawing By(制图)	Checked By(审核)	Approved By(核准)	Model.(型号)	Unit(单位)	Rev.(版本)
			V18033	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	V18033		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	125			36.0	32.0	8.0	19.5				
+	/	/				1.0	1.0	1.0	1.0				
-	0	0				1.0	1.0	1.0	1.0				
1		101.2	158.6			35.60	31.40	8.10	20.10				
2		100.6	159.0			35.70	31.30	8.00	19.90				
3		100.8	159.2			35.40	31.50	8.00	20.05				
4		101.4	158.8			35.50	31.36	7.93	20.06				
5		101.0	159.4			35.56	31.42	7.92	19.99				
6		100.7	159.5			35.48	31.39	7.99	19.96				
7		100.5	158.1			35.69	31.44	8.01	20.04				
8		101.3	158.7			35.52	31.52	8.08	20.01				
9		101.4	159.8			35.58	31.38	7.94	20.07				
10		100.1	159.4			35.47	31.47	7.97	19.98				
$\bar{X}$		100.90	159.05			30.00	31.41	7.99	20.01				
Y/N		Y	Y			Y	Y	Y	Y				

测试仪器：E4991A + 16194A

