

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) V18014FS

Our Part No. (产品编码)

Our Part No. (产品料号) 6080028010

Date (制作日期) Jun.3.2025

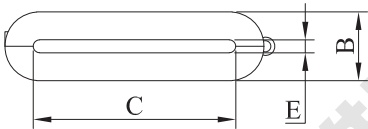
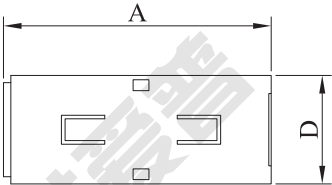
Approved by Customer
客 户 承 认

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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	37.0	±1.0	mm
B	9.4	±1.0	mm
C	28.0	±1.0	mm
D	14.8	±1.0	mm
E	2.0	±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(0.01MHz)	5-10	280(1600A/m)	200	20	>130	>10 ⁵	4.6

4. Electrical requirements (电气特性): Z1=20 Ω Min at 25 MHz Z2=55 Ω Min at 100 MHz

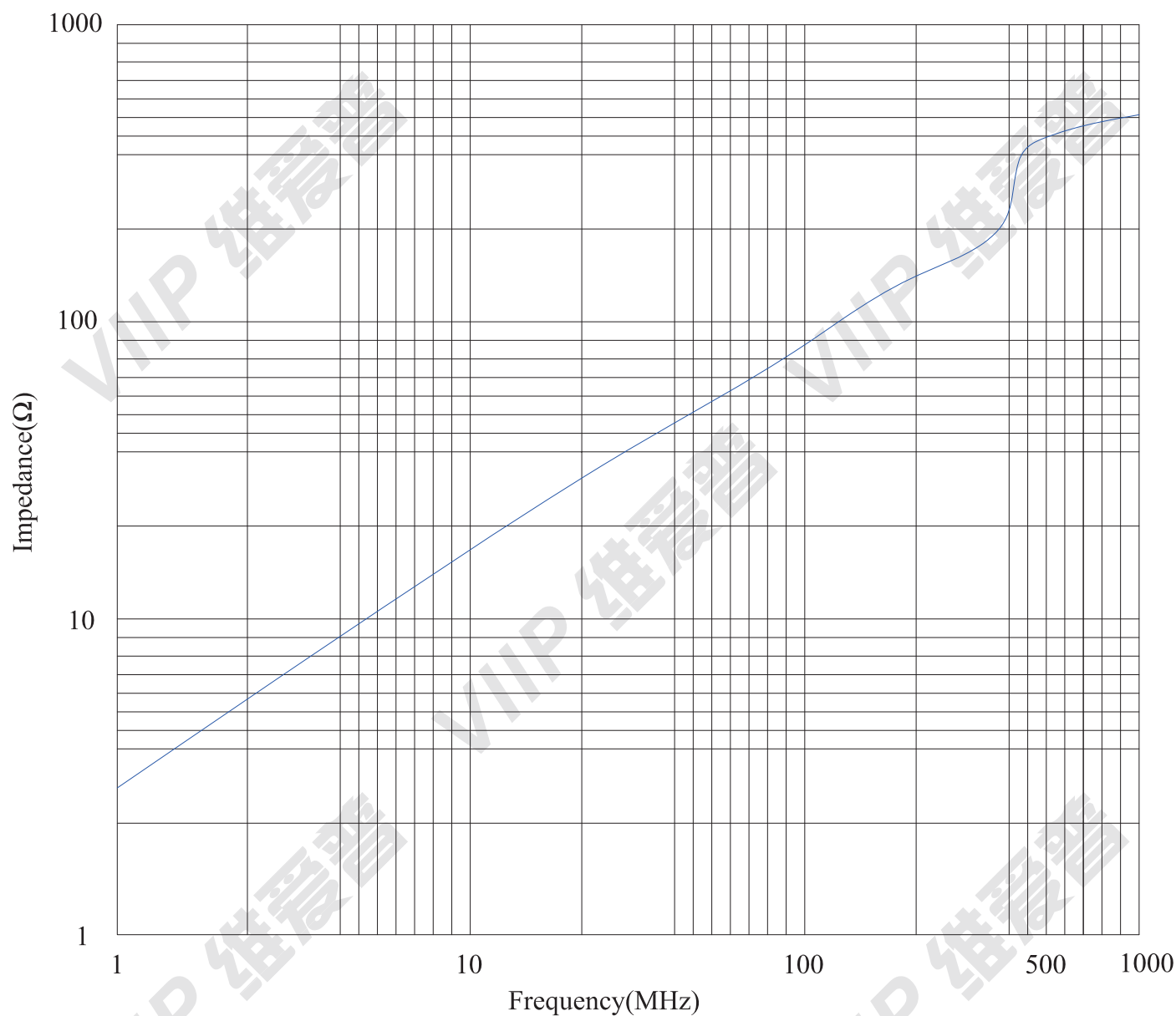
5.The Limit of Breakage(外观标准)

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)
			V18014FS	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	V18014FS		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	
		20	55			37.0	9.4	28.0	14.8	2.0				
+	/	/			1.0	1.0	1.0	1.0	0.5					
-	0	0			1.0	1.0	1.0	1.0	0.5					
1		32.2	88.6			37.25	9.42	28.03	14.78	2.22				
2		32.4	87.1			37.29	9.45	28.04	14.76	2.20				
3		29.8	76.2			37.24	9.45	28.02	14.80	2.18				
4		30.6	78.6			37.22	9.42	28.05	14.82	2.24				
5		30.2	77.7			37.28	9.51	28.03	14.85	2.22				
6		31.2	76.8			37.21	9.46	28.04	14.83	2.26				
7		32.0	77.5			37.24	9.44	27.95	14.84	2.12				
8		33.2	86.5			37.23	9.48	27.99	14.86	2.18				
9		32.1	88.7			37.26	9.49	27.96	14.83	2.16				
10		29.8	87.4			37.27	9.43	27.98	14.82	2.20				
$\bar{X}$		31.35	82.51			37.24	9.45	28.00	14.81	2.19				
Y/N		Y	Y			Y	Y	Y	Y	Y				
测试仪器：E4991A 