

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) V18001A

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029020

Date (制作日期) May.30.2025

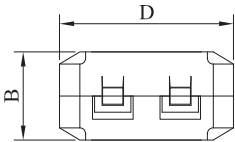
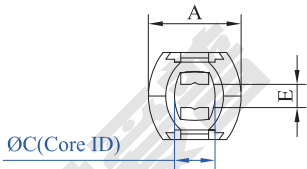
Approved by Customer
客 户 承 认

--	--	--



SPECIFICATION

2.Physical Dimensions(尺寸图):



外壳阻燃等级:UL94-V2

Item(项目)	Dimension(尺寸)	Tolerance(公差范围)	Unit(单位)
A	13.0	±1.0	mm
B	11.8	±1.0	mm
C	3.5	±0.8	mm
D	25.2	±1.0	mm
E	2.5	±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=85 Ω Min at 25 MHz Z2=175 Ω Min at 100 MHz

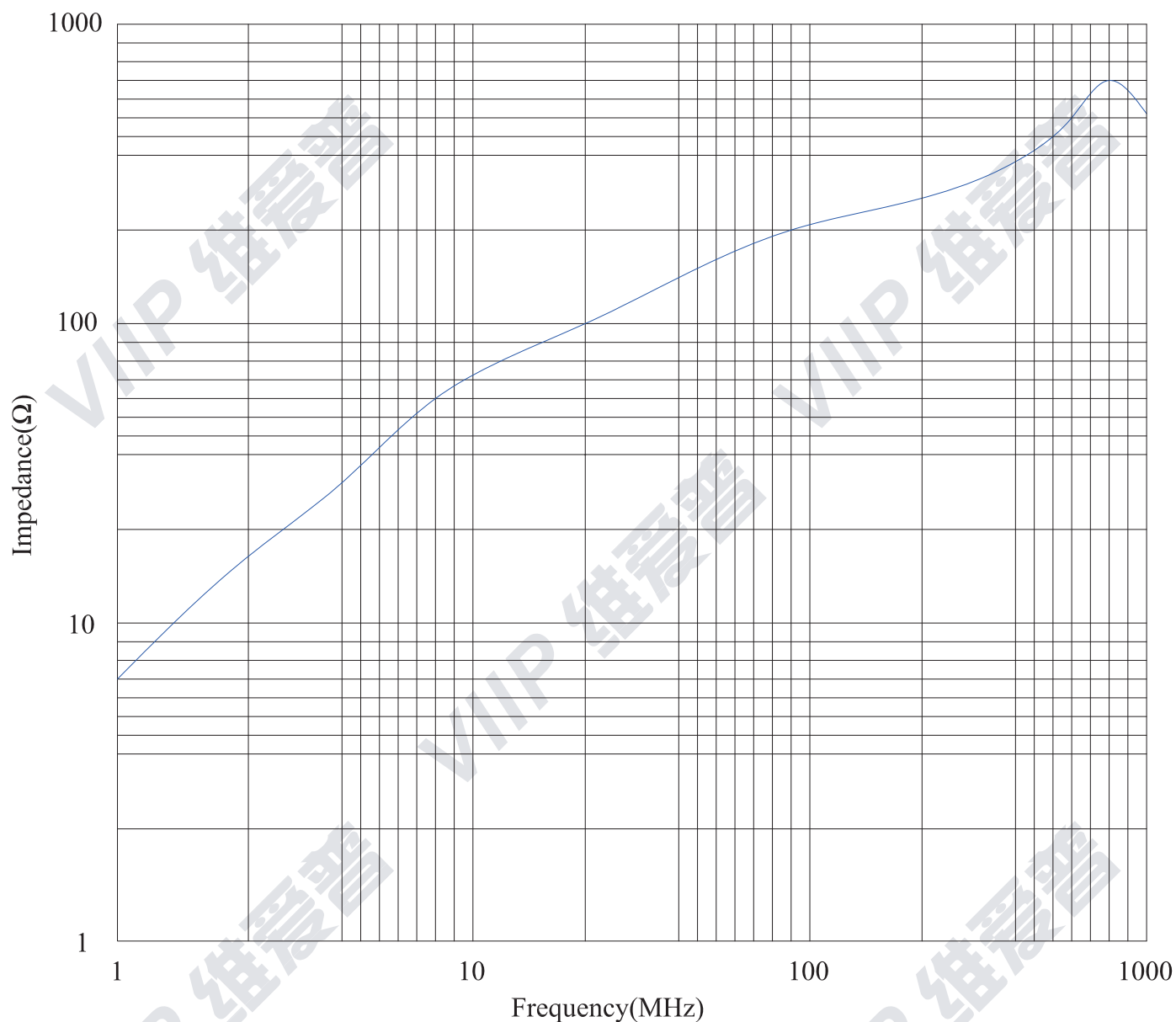
5.The Limit of Breakage(外观标准)

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)
			V18001A	mm	Rev.4.0



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



测试条件

- | | |
|----------|---------------------|
| 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	V18001A		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
		85	175			13.0	11.8	3.5	25.0	2.5			
+	/	/			1.0	1.0	0.8	1.0	1.0				
-	0	0			1.0	1.0	0.8	1.0	1.0				
1		101.7	218.8			13.06	11.93	3.62	24.78	2.50			
2		101.8	219.0			13.13	11.92	3.59	24.79	2.60			
3		102.5	218.7			13.09	11.85	3.58	24.85	2.40			
4		103.0	219.4			13.08	11.86	3.51	24.88	2.45			
5		102.5	219.6			13.15	11.88	3.49	24.96	2.52			
6		103.4	218.5			13.12	11.82	3.60	24.98	2.48			
7		101.6	219.3			13.17	11.92	3.63	25.20	2.53			
8		101.2	193.2			13.14	11.96	3.45	25.05	2.47			
9		102.7	218.6			13.16	11.98	3.64	25.12	2.49			
10		103.4	218.1			13.11	11.92	3.62	25.09	2.51			
$\bar{X}$		102.38	218.92			13.12	11.90	3.57	24.97	2.49			
Y/N	Y	Y			Y	Y	Y	Y	Y				

测试仪器: E4991A+16194A

