

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) V18010

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029018

Date (制作日期) Apr.9.2025

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	15.0	± 1.0	mm
B	14.0	± 1.0	mm
C	7.0	± 1.0	mm
D	18.0	± 1.0	mm
E	22.0	± 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 ±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
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=35 Ω Min at 25 MHz Z2=90 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)	Ordering No.(品名)	Unit(单位)	Rev.(版本)
RD&Dept. 2025.04.09 Li Endi	RD&Dept. 2025.04.09 Tom Kuang	RD&Dept. 2025.04.09 Jet Wu	V18010	mm	Rev.4.0

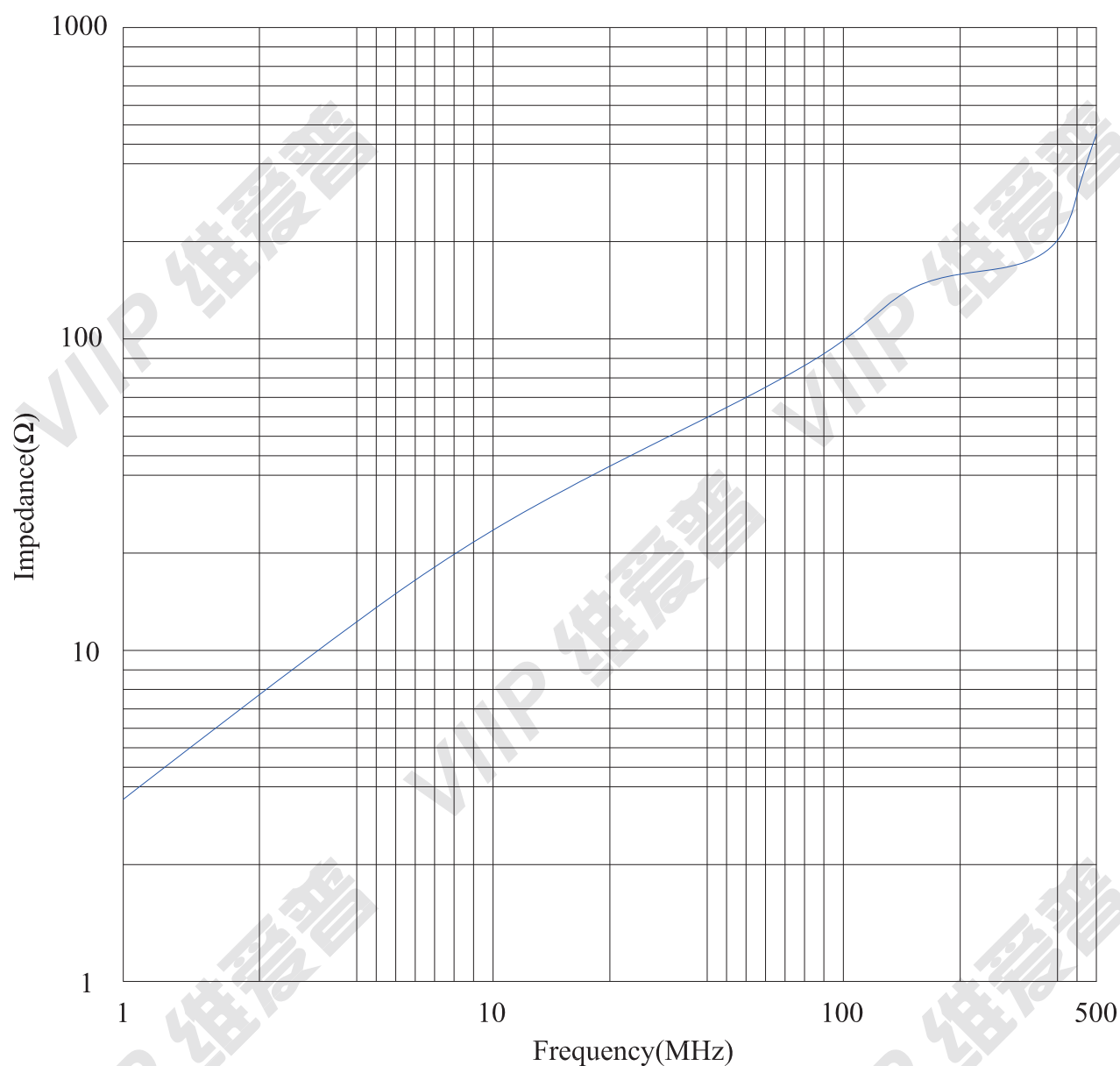
Tel : 0755-29170376

http: www.szviip.com



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	V18010	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
		35	90			15.0	14.0	7.0	18.0	22.0			
+	/	/			1.0	1.0	1.0	1.0	1.0				
-	0	0			1.0	1.0	1.0	1.0	1.0				
1		46.6	106.2			14.70	13.50	7.10	17.80	21.90			
2		47.2	105.6			14.75	13.60	7.20	17.70	21.50			
3		47.4	105.8			14.69	14.20	6.90	17.90	21.60			
4		46.8	106.0			14.73	14.30	6.90	18.20	21.80			
5		47.0	106.4			14.76	14.50	7.02	18.40	22.20			
6		47.6	105.2			14.68	13.40	7.08	18.30	22.30			
7		46.2	106.0			14.73	13.80	7.01	18.00	22.10			
8		47.3	105.6			14.77	13.90	7.20	17.90	22.40			
9		46.8	105.4			14.67	14.20	7.15	18.10	21.90			
10		46.5	106.3			14.71	14.10	7.17	18.20	21.80			
$\bar{X}$		46.94	105.85			14.71	13.95	7.07	18.05	21.95			
Y/N		Y	Y			Y	Y	Y	Y	Y			

测试仪器：E4991A

