

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) V18012

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029033

Date (制作日期) Jun.3.2025

Approved by Customer
客 户 承 认

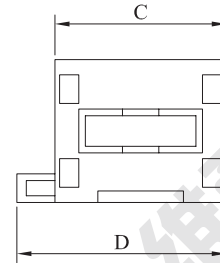
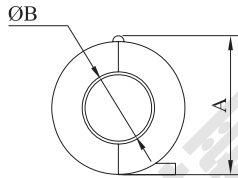
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SPECIFICATION

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

2.Physical Dimensions (尺寸图):



Item(项目)	Dimension(尺寸)	Tolerance(公差范围)	Unit(单位)
A	30.0	± 1.0	mm
B	13.0	± 0.8	mm
C	34.0	± 1.0	mm
D	39.0	± 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
VN09	850	16(0.1MHz)	5-10	350(1600A/m)	200	20	>110	>10 ⁻⁵	4.7

4. Electrical requirements (电气特性): Z1=105 Ω Min at 25 MHz Z2=190 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)
			V18012	mm	Rev.4.0

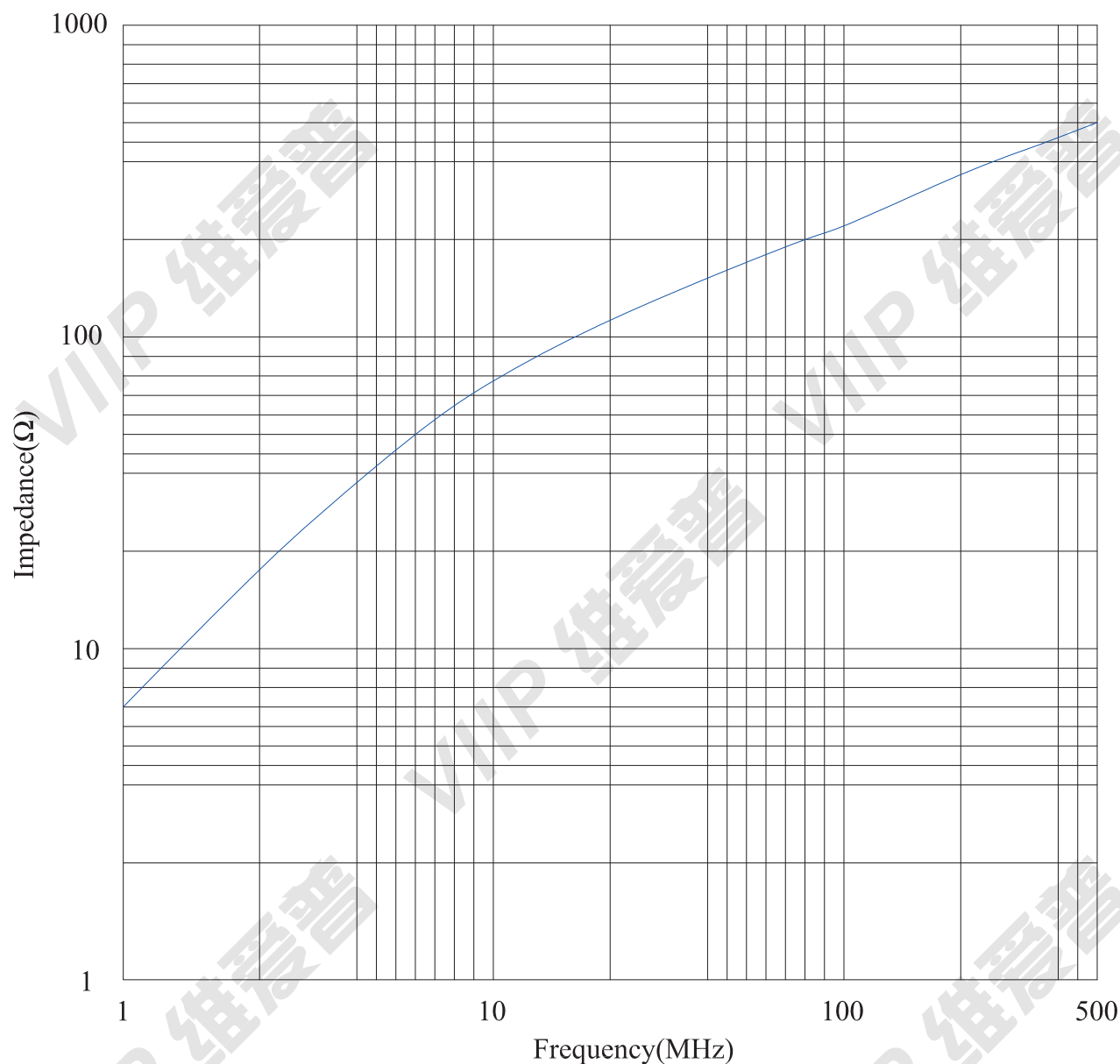
Tel : 0755-29170376

http: www.szviip.com



阻抗-频率测试曲线

Impedance V.S Frequency(Z-Y)



测试条件

- | | |
|----------|---------------------|
| 1.测试仪器 | E4991A |
| 2.测试频率区间 | 1-500MHz |
| 3.测试线组 | Ø0.8x0.5TSx100L(mm) |



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 EMI FILTER/FERRITE CORE/EMC DESIGN&DEBUG CONSULTING

检验数据

型号	V18012	绕组	Ø0.8x0.5TSx100L(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
		105	190			30.0	13.0	34.0	39.0				
+	/	/			1.0	0.8	1.0	1.0					
-	0	0			1.0	0.8	1.0	1.0					
1		128.2	231.6			30.10	13.00	34.20	39.06				
2		127.6	232.0			29.90	13.25	34.50	39.03				
3		127.8	232.2			29.96	13.10	34.10	39.09				
4		128.4	231.8			29.93	13.30	34.12	39.20				
5		128.0	232.4			29.99	13.12	34.26	39.15				
6		127.0	232.5			30.02	13.22	34.28	39.22				
7		127.7	231.3			30.00	13.15	34.36	39.14				
8		128.3	232.1			30.06	13.23	34.30	39.18				
9		128.4	231.9			30.08	13.17	34.11	39.07				
10		127.1	231.4			30.01	13.24	34.18	39.14				
$\bar{X}$		127.85	231.92			30.00	13.17	34.24	39.12				
Y/N		Y	Y			Y	Y	Y	Y				

测试仪器：E4991A

