

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) V18011B

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029035

Date (制作日期) May.15.2025

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):

尺寸 Dimensions	
A	28.0±1.0mm
B	32.5±1.0mm
C	12.0±0.8mm
D	17.8±1.0mm
E	24.0±1.0mm

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
VN10	1000	<15(0.1MHz)	0.5~3	300(1600A/m)	130	28	>100	>10 ⁵	4.75

4. Electrical requirements(电气特性):Z1=40 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	

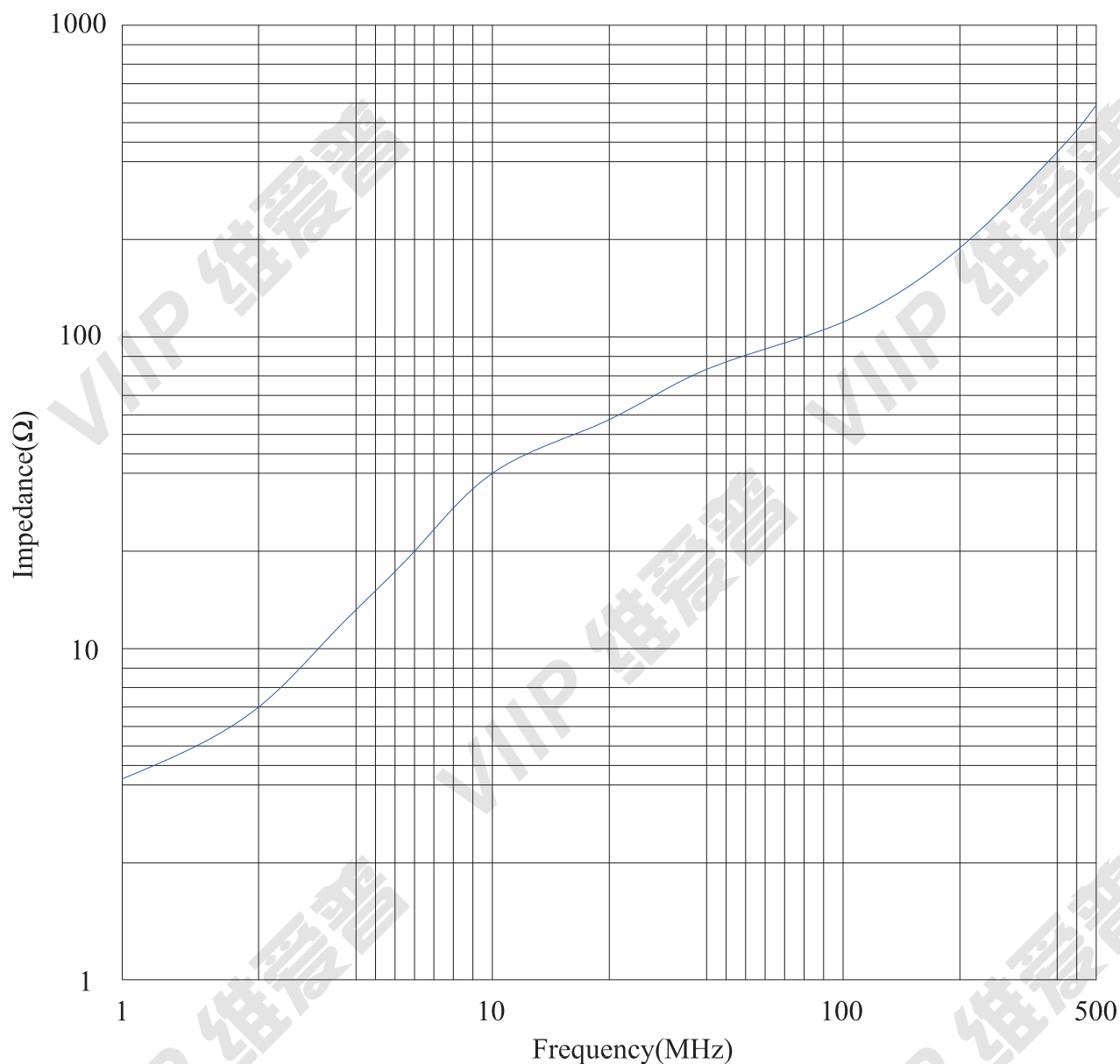
Drawing By(制图)	Checked By(审核)	Approved By(核准)	Model.(型号)	Unit(单位)	Rev.(版本)
			V18011B	mm	Rev.4.0

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+16194A |
| 2.测试频率区间 | 1-500MHz |
| 3.测试线组 | Ø0.5x0.5TSx100L(mm) |



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检验数据

型号	V18011B	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
		40	90			28	32.5	12	17.8	24			
+	/	/			1.0	1.0	0.8	1.0	1.0				
-	0	0			1.0	1.0	0.8	1.0	1.0				
1		58.2	117.2			28.12	32.35	12.19	18.03	23.73			
2		58.8	118.4			28.06	32.29	12.20	18.01	23.75			
3		58.8	118.4			28.20	32.45	12.18	18.08	23.71			
4		58.2	117.2			28.15	32.38	12.23	17.98	23.80			
5		57.6	116.0			28.09	32.32	12.15	17.99	23.66			
6		57.0	114.9			28.20	32.45	12.13	18.08	23.61			
7		58.8	118.4			28.04	32.25	12.23	18.08	23.80			
8		59.4	119.5			27.98	32.19	12.23	17.94	23.80			
9		57.6	116.0			28.20	32.45	12.15	17.99	23.66			
10		57.4	119.5			28.15	32.41	12.17	18.08	23.68			
$\bar{X}$		58.4	117.6			28.12	32.35	12.19	18.03	23.72			
Y/N	Y	Y			Y	Y	Y	Y	Y				
测试仪器：E4991A+16194A 