

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) V18018

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029031

Date (制作日期) Jun.3.2025

Approved by Customer
客 户 承 认

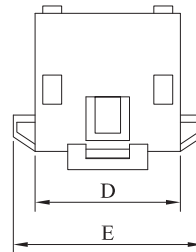
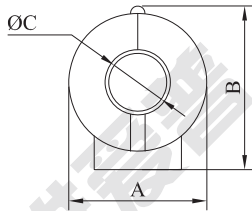
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SPECIFICATION

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	29.0	± 1.0	mm
B	33.0	± 1.0	mm
C	15.0	± 0.8	mm
D	15.5	± 1.0	mm
E	21.5	± 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
F2	650	20(0.1MHz)	2-5	330(1600A/m)	150	35	>110	>10 ⁻⁵	4.9

4. Electrical requirements (电气特性): Z1=25 Ω Min at 25 MHz Z2=70 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	

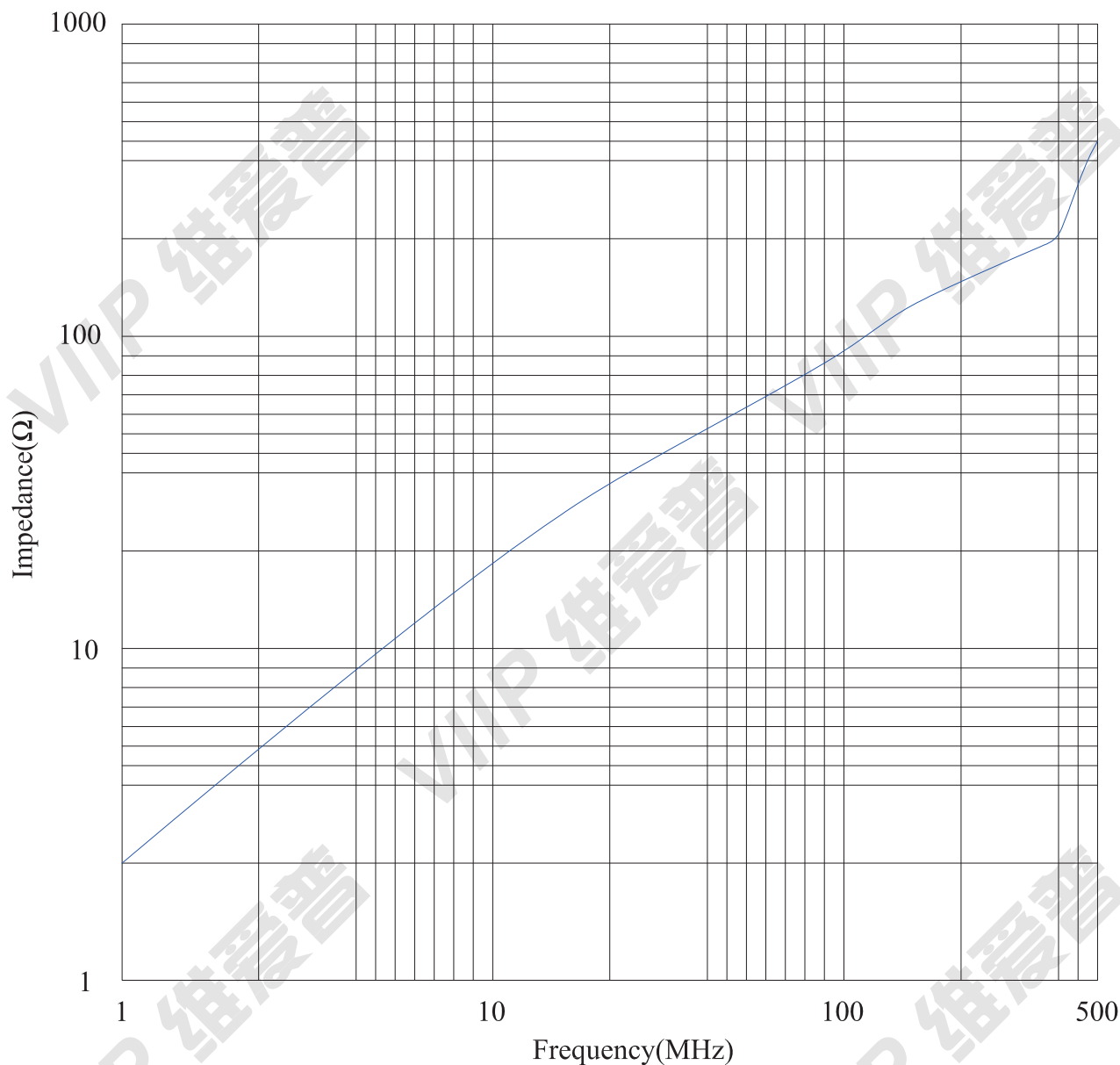
Drawing By(制图)	Checked By(审核)	Approved By(核准)	Ordering No.(品名)	Unit(单位)	Rev.(版本)
			V18018	mm	Rev.4.0

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 | Ø0.5x0.5TSx100L(mm) |



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检验数据

型号	V18018	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
		25	70			29.0	33.0	15.0	15.5	21.5			
+	/	/			1.0	1.0	0.8	1.0	1.0				
-	0	0			1.0	1.0	0.8	1.0	1.0				
1		36.2	93.6			28.96	32.97	14.88	15.25	21.35			
2		37.6	93.0			28.99	33.02	14.99	15.23	21.48			
3		37.8	92.2			28.95	33.01	14.92	15.20	21.22			
4		37.4	92.8			28.97	33.12	14.75	15.30	21.15			
5		37.0	91.4			29.03	33.26	15.10	15.34	20.95			
6		36.0	94.6			29.06	33.33	15.03	15.20	20.94			
7		36.6	93.2			29.20	32.88	15.00	15.19	20.76			
8		36.2	93.6			29.10	33.14	15.23	15.10	20.88			
9		36.4	92.8			29.13	32.89	14.79	15.40	20.76			
10		37.4	94.4			29.11	32.95	14.76	15.02	20.99			
$\bar{X}$		36.86	93.16			29.05	33.05	14.94	15.22	21.04			
Y/N		Y	Y			Y	Y	Y	Y	Y			

测试仪器: E4991A

