

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) V18004

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029030

Date (制作日期) Mar.24.2025

Approved by Customer
客 户 承 认

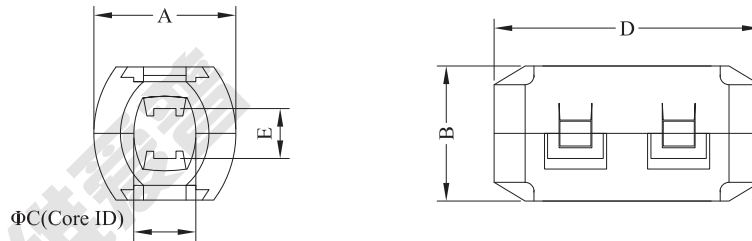
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SPECIFICATION

 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	23.5	± 1.0	mm
B	22.2	± 1.0	mm
C	13.0	± 0.8	mm
D	36.0	± 1.0	mm
E	10.0	± 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=55 Ω Min at 25 MHz Z2=100 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	

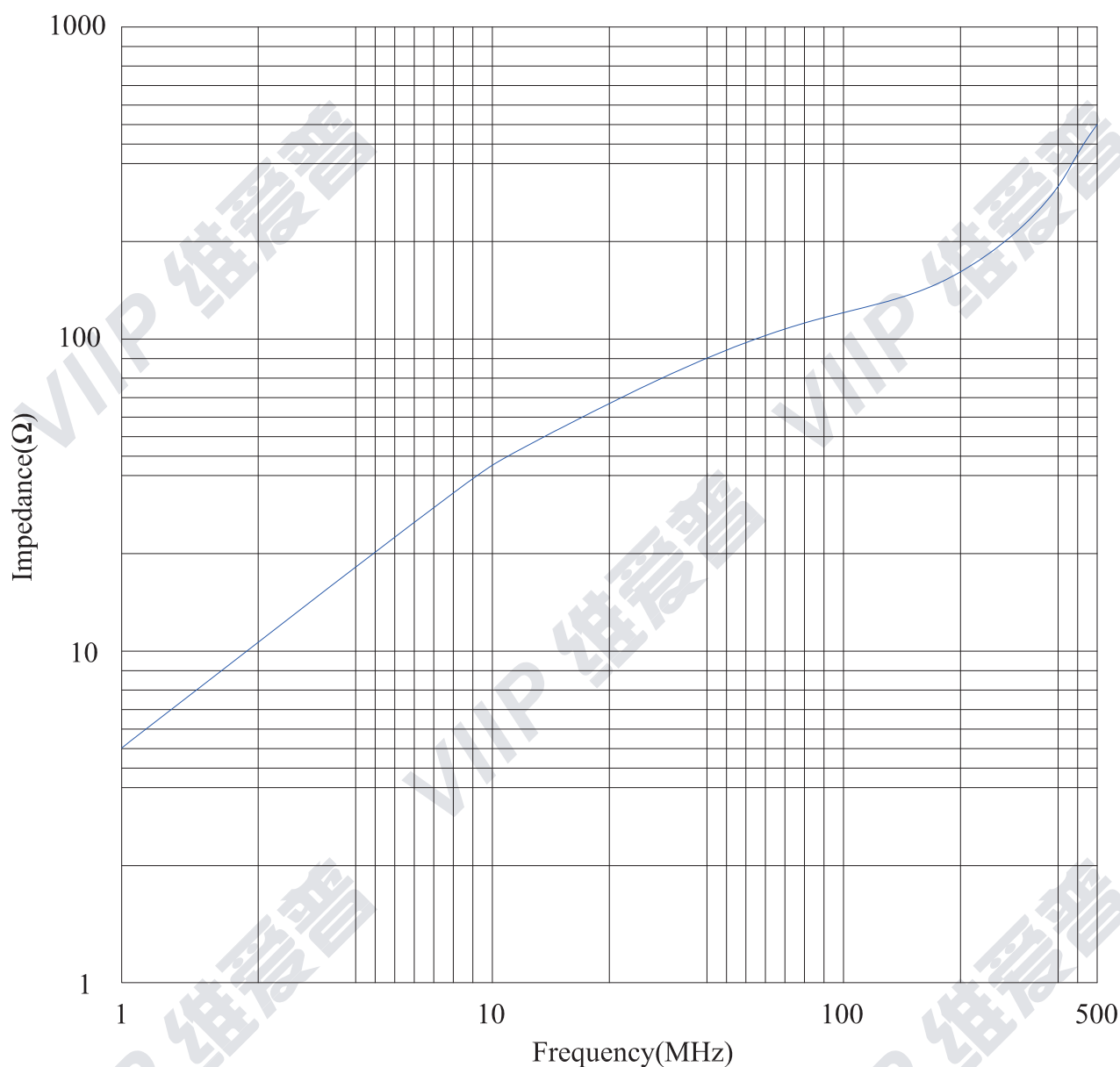
Drawing By(制图)	Checked By(审核)	Approved By(核准)	Model.(型号)	Unit(单位)	Rev.(版本)
RD&Dept. 2025.03.24 Li Endi	RD&Dept. 2025.03.24 Tom Kuang	RD&Dept. 2025.03.24 Jet Wu	V18004	mm	Rev.4.0

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	V18004		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	
		55	100			23.5	22.2	13.0	36.0	10.5				
+		/	/			1.0	1.0	0.8	1.0	1.0				
-		0	0			1.0	1.0	0.8	1.0	1.0				
1		72.2	138.6			23.30	22.40	13.00	36.40	10.50				
2		71.6	139.0			23.40	22.30	13.01	36.50	10.60				
3		71.8	139.2			23.39	22.31	13.05	36.48	10.40				
4		72.4	138.8			23.37	22.33	13.03	36.46	10.45				
5		72.0	139.4			23.35	22.35	13.02	36.44	10.52				
6		71.5	138.9			23.33	22.37	13.09	36.42	10.48				
7		71.6	139.2			23.38	22.39	13.11	36.47	10.53				
8		72.3	139.3			23.36	22.32	13.18	36.49	10.47				
9		72.4	138.7			23.34	22.34	13.20	36.20	10.49				
10		71.4	139.0			23.32	22.36	13.27	36.48	10.51				
$\bar{X}$		71.92	139.01			23.35	22.34	13.09	36.49	10.49				
Y/N		Y	Y			Y	Y	Y	Y	Y				

测试仪器：E4991A

