

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) V18023

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029058

Date (制作日期) Apr.8.2025

Approved by Customer
客 户 承 认

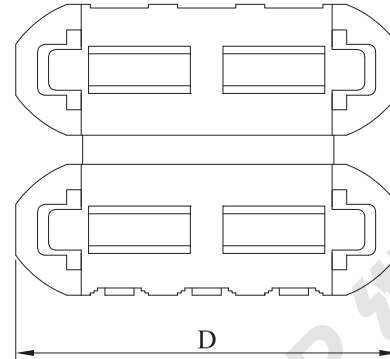
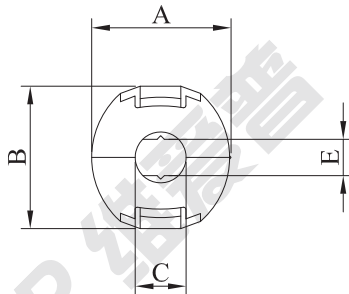
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SPECIFICATION

 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	19.0	± 0.5	mm
B	19.5	± 0.5	mm
C	6.8	± 0.8	mm
D	52.5	± 1.0	mm
E	4.0	± 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	280(1600A/m)	200	20	>130	> 10^5	4.6

4. Electrical requirements(电气特性):Z1=135 Ω Min at 25 MHz Z1=235 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	

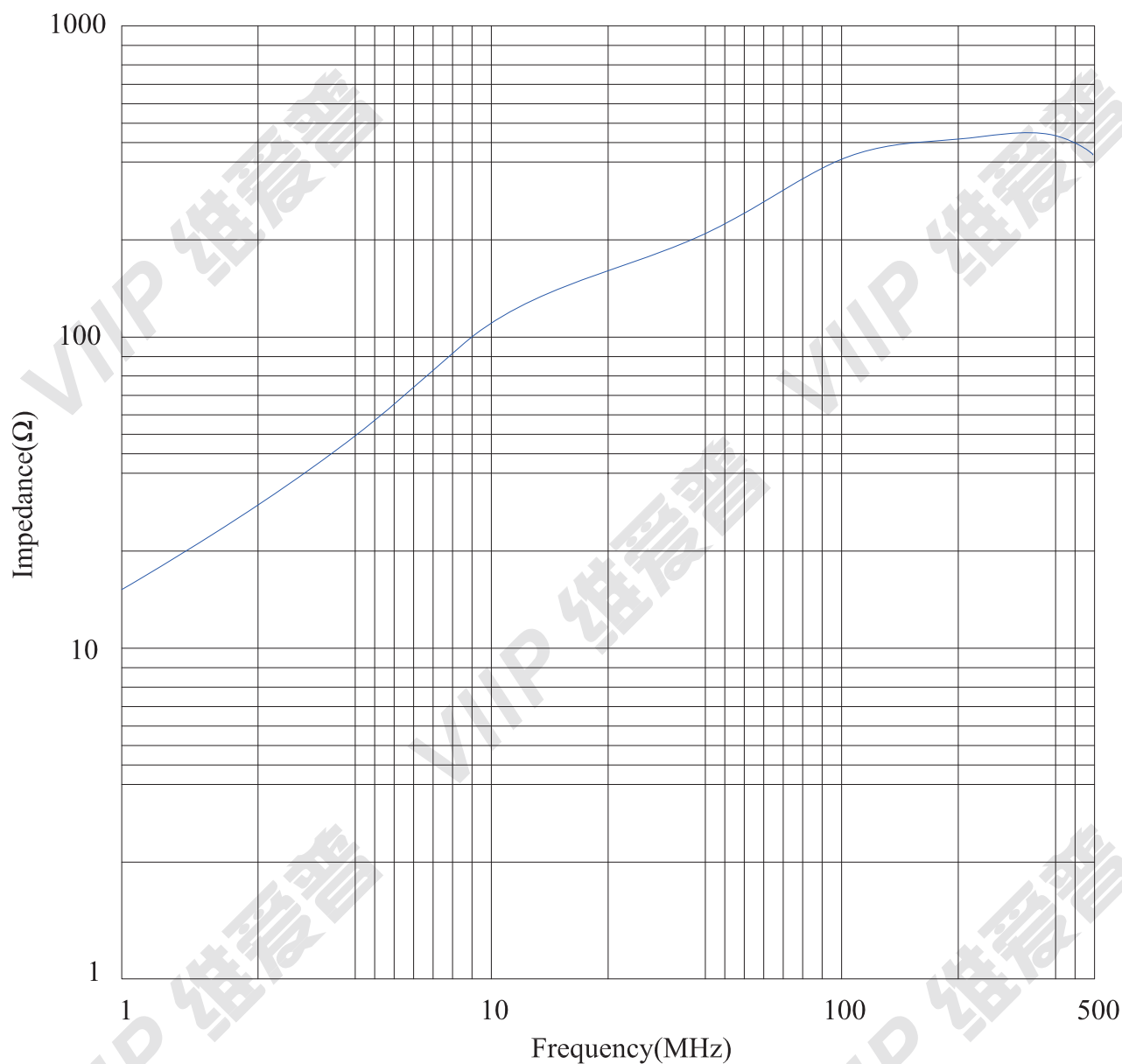
Drawing By(制图)	Checked By(审核)	Approved By(核准)	Ordering No.(品名)	Unit(单位)	Rev.(版本)
RD&Dept. 2025.04.08 Li Endi	RD&Dept. 2025.04.08 Tom Kuang	RD&Dept. 2025.04.08 Jet Wu	V18023	mm	Rev.4.0

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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+16194A |
| 2.测试频率区间 | 1-500MHz |
| 3.测试线组 | Ø0.4x0.5TSx100L(mm) |



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检验数据

型号	V18023	绕组	Ø0.4x0.5TSx100L(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
		135	235			19.0	19.5	6.8	52.5	4.0			
+	/	/			0.5	0.5	0.8	1.0	1.0				
-	0	0			0.5	0.5	0.8	1.0	1.0				
1		197.2	339.5			19.02	19.48	6.92	52.48	4.26			
2		196.5	339.6			18.97	19.45	6.95	52.52	4.23			
3		196.4	340.2			18.96	19.52	6.92	52.55	4.19			
4		195.6	340.1			18.93	19.48	7.02	52.49	4.20			
5		197.5	339.6			18.99	19.49	7.06	52.56	4.15			
6		197.9	338.5			19.02	19.52	6.98	52.52	4.22			
7		198.3	341.2			19.00	19.45	6.96	52.54	4.14			
8		198.6	342.1			19.06	19.53	6.95	52.58	4.18			
9		197.5	340.5			18.98	19.47	6.98	52.57	4.17			
10		197.6	340.6			19.01	19.52	6.95	52.54	4.14			
$\bar{X}$		197.31	340.19			18.99	19.49	6.96	52.53	4.18			
Y/N	Y	Y			Y	Y	Y	Y	Y				
测试仪器：E4991A+16194A													

