

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) V18011

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029017

Date (制作日期) Mar.27.2025

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	36.0	±1.0	mm
B	32.0	±1.0	mm
C	9.0	±1.0	mm
D	19.5	±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 ±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=65 Ω Min at 25 MHz Z2=120 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	

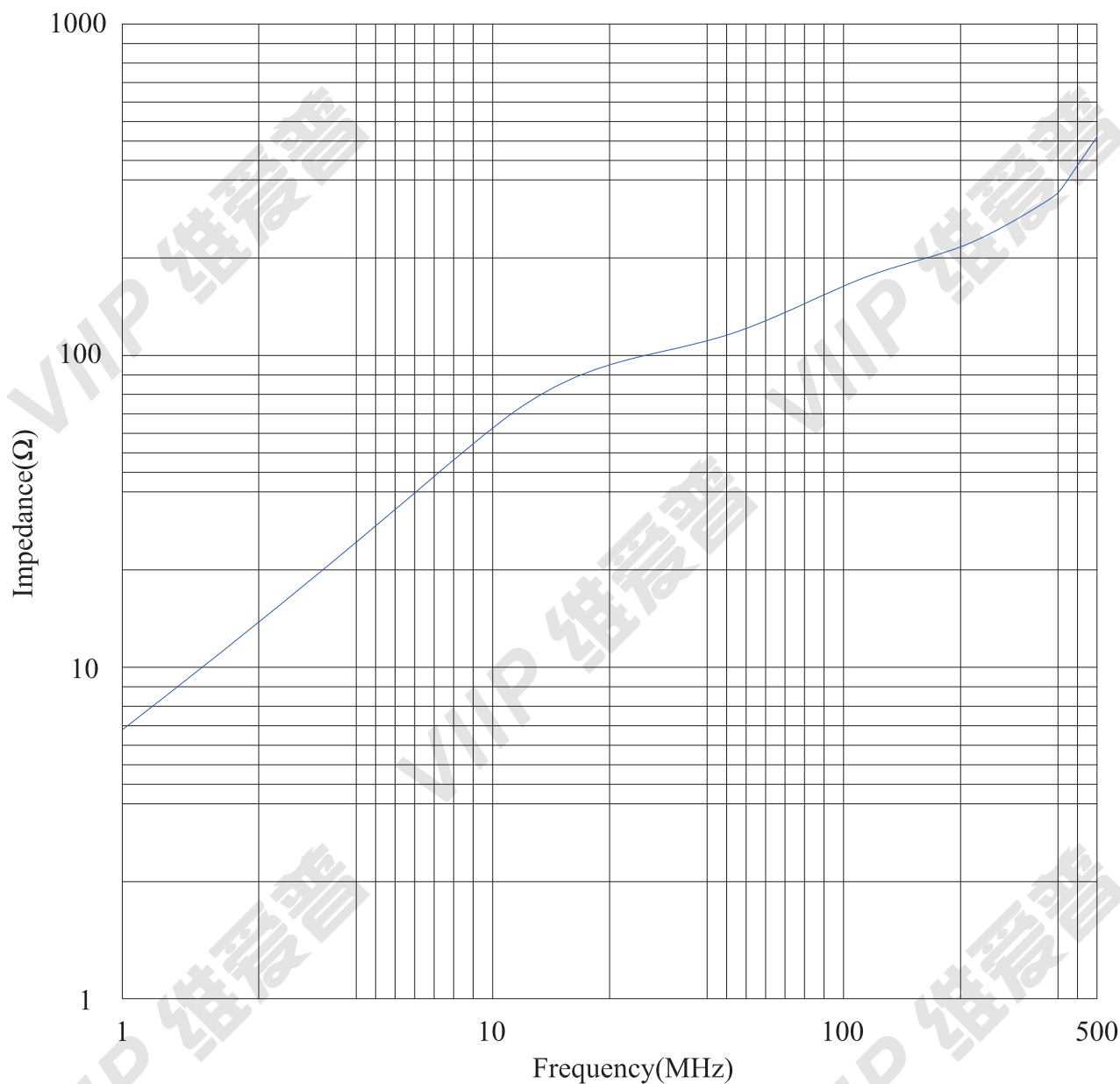
Drawing By(制图)	Checked By(审核)	Approved By(核准)	Ordering No.(品名)	Unit(单位)	Rev.(版本)
			V18011	mm	Rev.4.0

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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

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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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 EMI FILTER/FERRITE CORE/EMC DESIGN&DEBUG CONSULTING

检验数据

型号	V18011		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	
		65	120			36.0	32.0	9.0	19.5					
+	/	/			1.0	1.0	1.0	1.0						
-	0	0			1.0	1.0	1.0	1.0						
1		88.2	165.6			35.60	31.40	8.90	20.10					
2		87.6	166.0			35.70	31.30	8.93	19.90					
3		88.8	166.2			35.40	31.50	8.96	20.05					
4		90.4	165.8			35.50	31.36	8.99	20.06					
5		89.0	166.4			35.56	31.42	8.98	19.99					
6		89.8	165.6			35.48	31.39	8.95	19.96					
7		90.6	165.7			35.69	31.44	8.92	20.04					
8		89.2	166.3			35.52	31.52	8.91	20.01					
9		89.4	165.8			35.58	31.38	8.94	20.07					
10		90.0	166.0			35.47	31.47	8.97	19.98					
$\bar{X}$		89.30	165.94			35.55	31.41	8.94	20.01					
Y/N		Y	Y			Y	Y	Y	Y					

测试仪器: E4991A + 16194A

