

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) V19001

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029032

Date (制作日期) Apr.12.2023

Approved by Customer
客 户 承 认

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1 Amendment History

<i>Customer P/N</i>		<i>VIIP P/N</i>	V19001
<i>Part Name</i>	Ferrite Core	<i>Rev .</i>	4.0

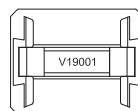
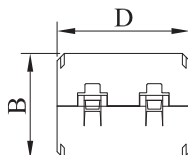
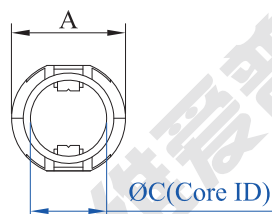
<i>Rev.</i>	<i>Description</i>	<i>Effective Date</i>	<i>Page</i>	<i>Approved</i>
4.0	-Initial release	Apr.12.2023	3-5	Jet
<i>Prepared By</i>		<i>Reviewed By</i>	<i>Approved By</i>	
				



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	30.5	±1.0	mm
B	29.0	±1.0	mm
C	19.0	±0.5	mm
D	36.5	±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
VN02	650	20(0.1MHz)	2-5	260(1600A/m)	150	35	>140	>10 ⁵	4.6

4. Electrical requirements(电气特性):Z1=30 Ω Min at 25 MHz Z2=80 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	

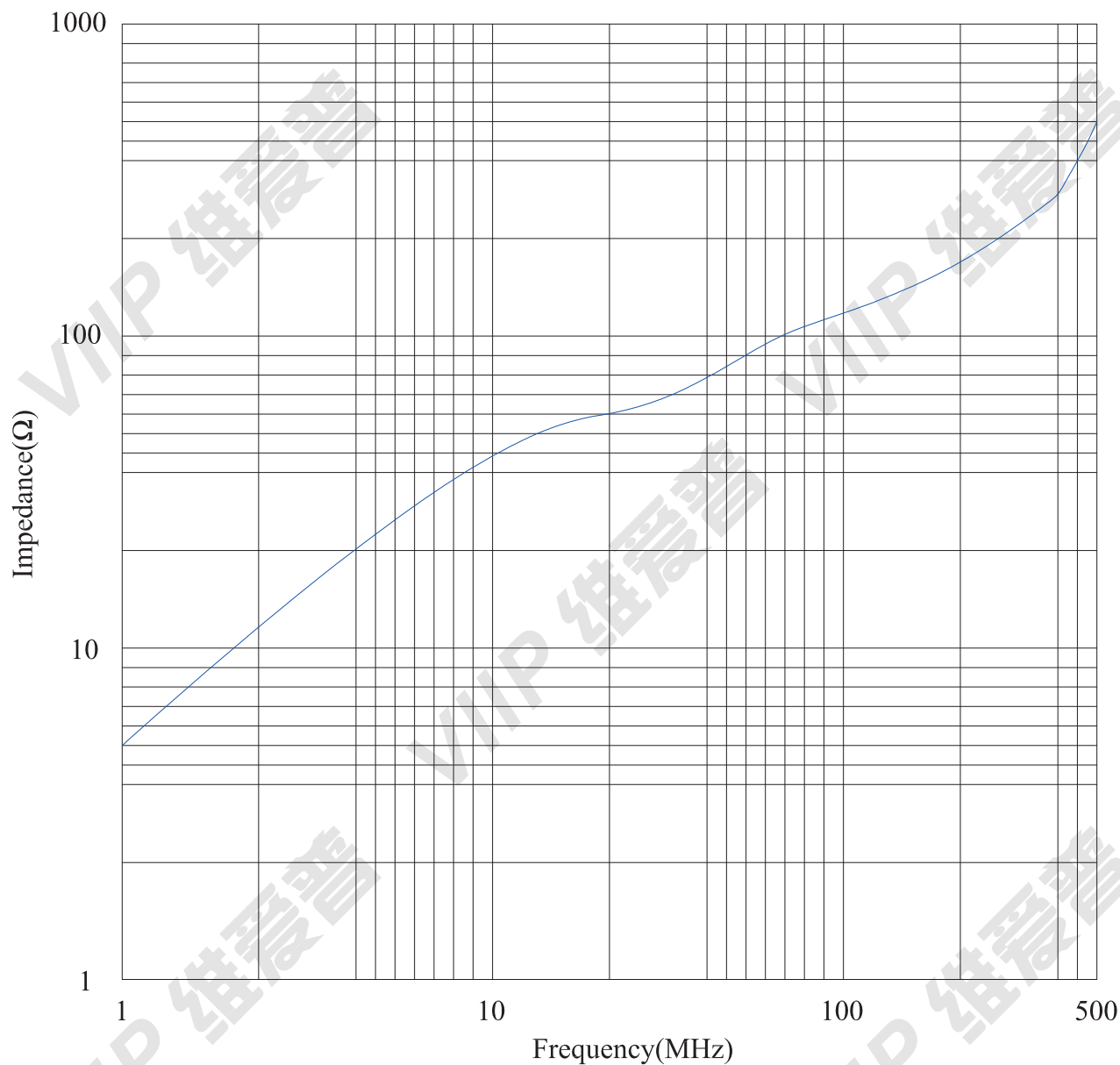
Drawing By(制图)	Checked By(审核)	Approved By(核准)	Model.(型号)	Unit(单位)	Rev.(版本)
			V19001	mm	Rev.4.0

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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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检验数据

型号	V19001		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	
		45	80			30.5	29.0	19.0	36.5					
+		/	/			1.0	1.0	0.5	1.0					
-		0	0			1.0	1.0	0.5	1.0					
1		66.5	118.6			30.52	29.12	18.92	36.58					
2		65.9	117.0			30.49	29.13	18.95	36.56					
3		65.8	117.5			30.59	29.21	18.90	36.57					
4		65.6	120.1			30.67	29.21	18.93	36.60					
5		66.2	118.6			30.65	29.16	18.92	36.64					
6		66.5	119.6			30.63	29.19	18.99	36.62					
7		65.9	119.5			30.68	29.19	19.01	36.67					
8		65.8	120.1			30.66	29.22	19.08	36.69					
9		66.1	118.4			30.54	29.14	19.04	36.68					
10		65.8	118.6			30.62	29.16	19.07	36.65					
$\bar{X}$		66.01	118.80			30.60	29.17	18.98	36.62					
Y/N		Y	Y			Y	Y	Y	Y					

测试仪器: E4991A+16194A

