

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) V18001

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029010

Date (制作日期) Feb.2.2024

Approved by Customer
客 户 承 认

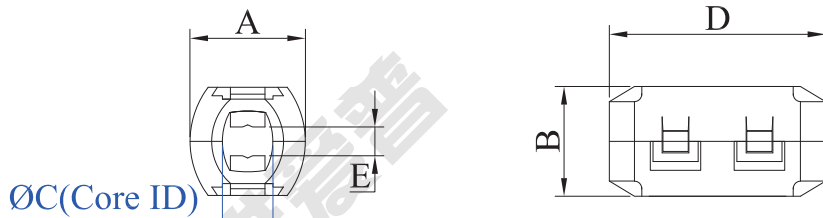
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SPECIFICATION

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	13.0	±1.0	mm
B	12.0	±1.0	mm
C	5.0	±1.0	mm
D	25.0	±1.0	mm
E	2.5	±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=50 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)
			V18001	mm	Rev.4.0

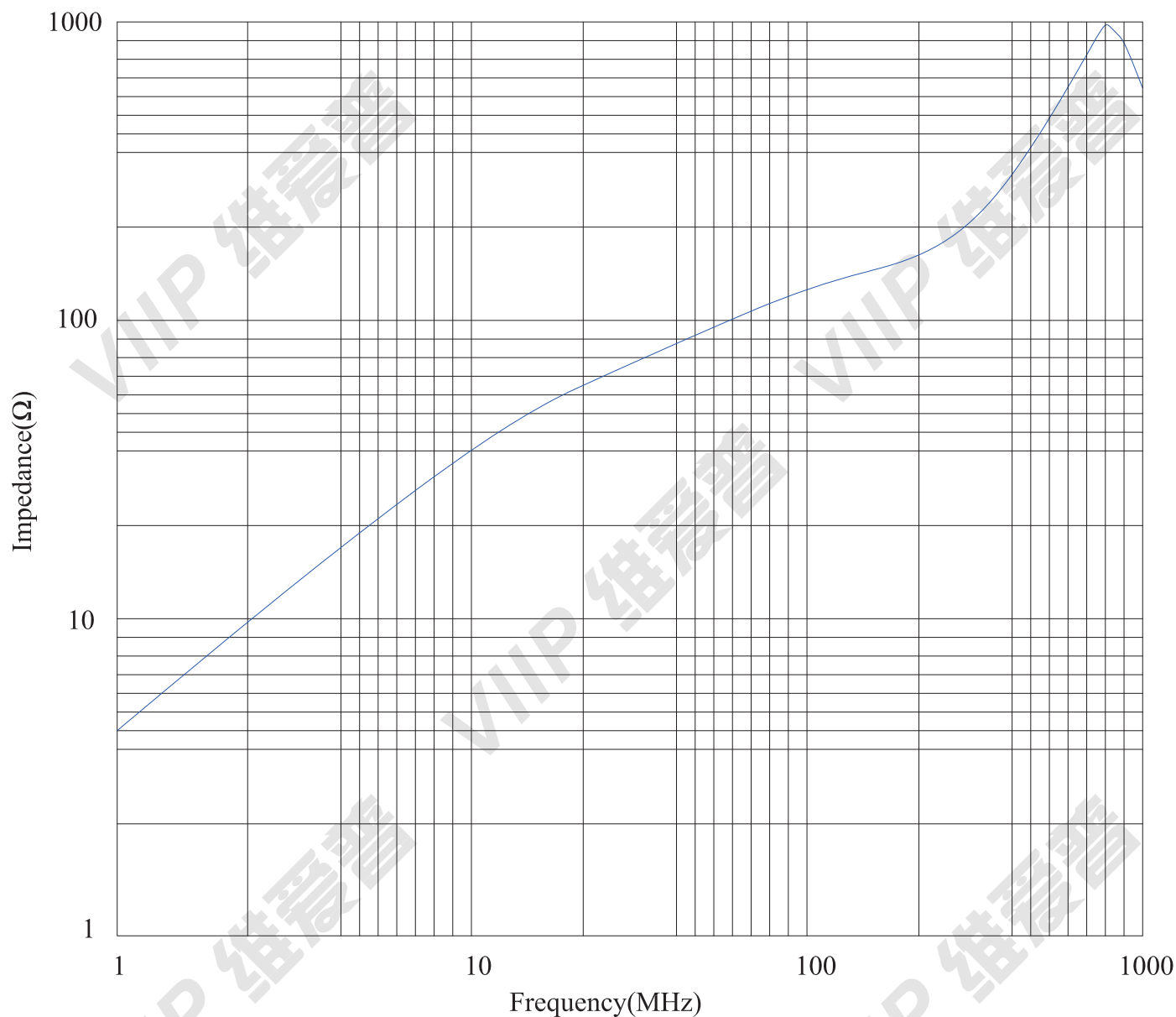
Tel : 0755-29170376

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 + 16194A |
| 2.测试频率区间 | 1-1000MHz |
| 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	V18001	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
		50	100			13.0	12.0	5.0	25.2	2.5			
+	/	/			1.0	1.0	1.0	1.0	1.0				
-	0	0			1.0	1.0	1.0	1.0	1.0				
1	65.9	140.0			13.06	11.93	5.12	24.78	2.50				
2	65.1	136.4			13.13	11.92	5.09	24.79	2.60				
3	65.4	141.1			13.09	11.85	5.08	24.85	2.40				
4	66.9	138.5			13.08	11.86	5.11	24.88	2.45				
5	65.8	139.5			13.15	11.88	5.12	24.96	2.52				
6	65.1	137.0			13.12	11.82	5.10	24.98	2.48				
7	66.7	139.5			13.17	11.92	5.13	25.20	2.53				
8	66.1	137.0			13.14	11.96	5.15	25.05	2.47				
9	66.0	139.5			13.16	11.98	5.14	25.12	2.49				
10	65.0	137.2			13.11	11.92	5.12	25.09	2.51				
$\bar{X}$	65.80	138.58			13.12	11.90	5.11	24.97	2.49				
Y/N	Y	Y			Y	Y	Y	Y	Y				

测试仪器：E4991A + 16194A

