

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) V18002

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029009

Date (制作日期) Apr.17.2025

Approved by Customer
客 户 承 认

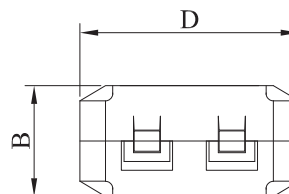
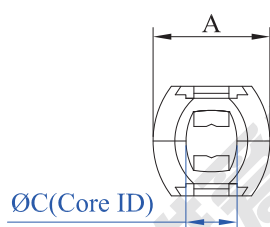
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SPECIFICATION

 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	16.5	±1.0	mm
B	14.0	±1.0	mm
C	7.0	±0.8	mm
D	30.0	±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(0.1MHz)	5-10	350(1600A/m)	200	20	>110	>10 ⁵	4.7

4. Electrical requirements (电气特性): Z1=55 Ω Min at 25 MHz Z2=110 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	

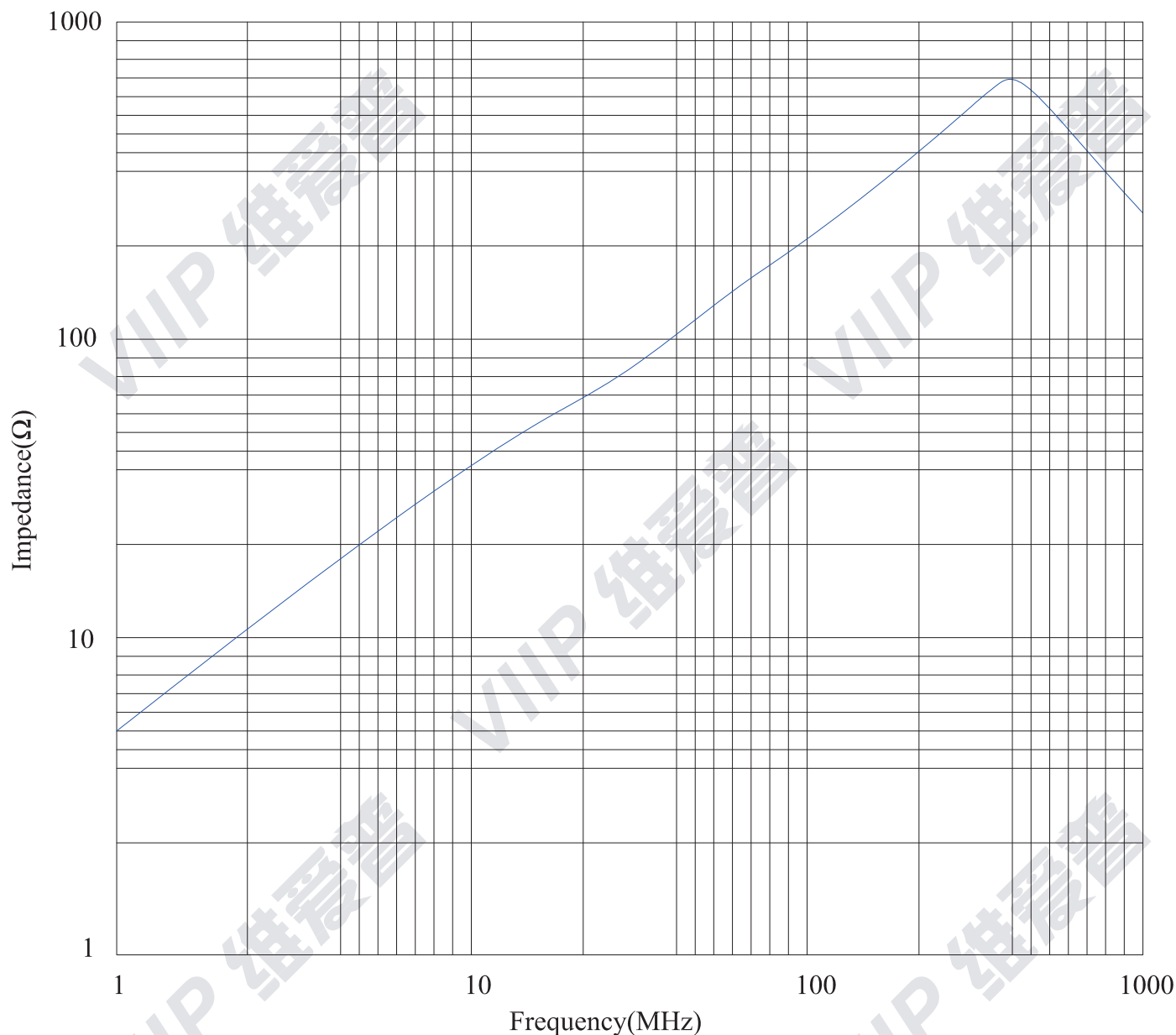
Drawing By(制图)	Checked By(审核)	Approved By(核准)	Model.(型号)	Unit(单位)	Rev.(版本)
			V18002	mm	Rev.4.0

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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检验数据

型号	V18002	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	110			16.50	14.0	7.0	30.0				
+	/	/			1.0	1.0	0.8	1.0					
-	0	0			1.0	1.0	0.8	1.0					
1		63.2	175.8			16.50	14.40	6.92	30.08				
2		62.6	175.6			16.40	14.30	6.95	30.06				
3		62.8	176.0			16.39	14.31	6.90	30.07				
4		63.4	177.8			16.37	14.33	6.93	30.20				
5		63.0	175.4			16.45	14.35	6.92	30.14				
6		62.0	176.2			16.43	14.37	6.99	30.12				
7		62.6	178.0			16.48	14.39	7.01	30.27				
8		63.2	178.2			16.36	14.32	7.08	30.29				
9		63.4	175.6			16.54	14.34	7.04	30.32				
10		63.4	176.2			16.52	14.36	7.07	30.18				
$\bar{X}$		62.96	176.48			16.44	14.34	6.98	30.17				
Y/N		Y	Y			Y	Y	Y	Y				

测试仪器：E4991A + 16194A

