

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) V18020

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029051

Date (制作日期) Apr.15.2025

Approved by Customer
客 户 承 认

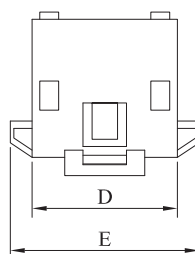
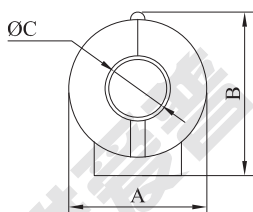
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SPECIFICATION

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	24.0	±1.0	mm
B	28.0	±1.0	mm
C	10.0	±0.8	mm
D	13.5	±1.0	mm
E	19.0	±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	280(1600A/m)	200	20	>130	>10 ⁻⁵	4.6

4. Electrical requirements(电气特性):Z1=40 Ω Min at 25 MHz Z2=85 Ω Min at 100 MHz

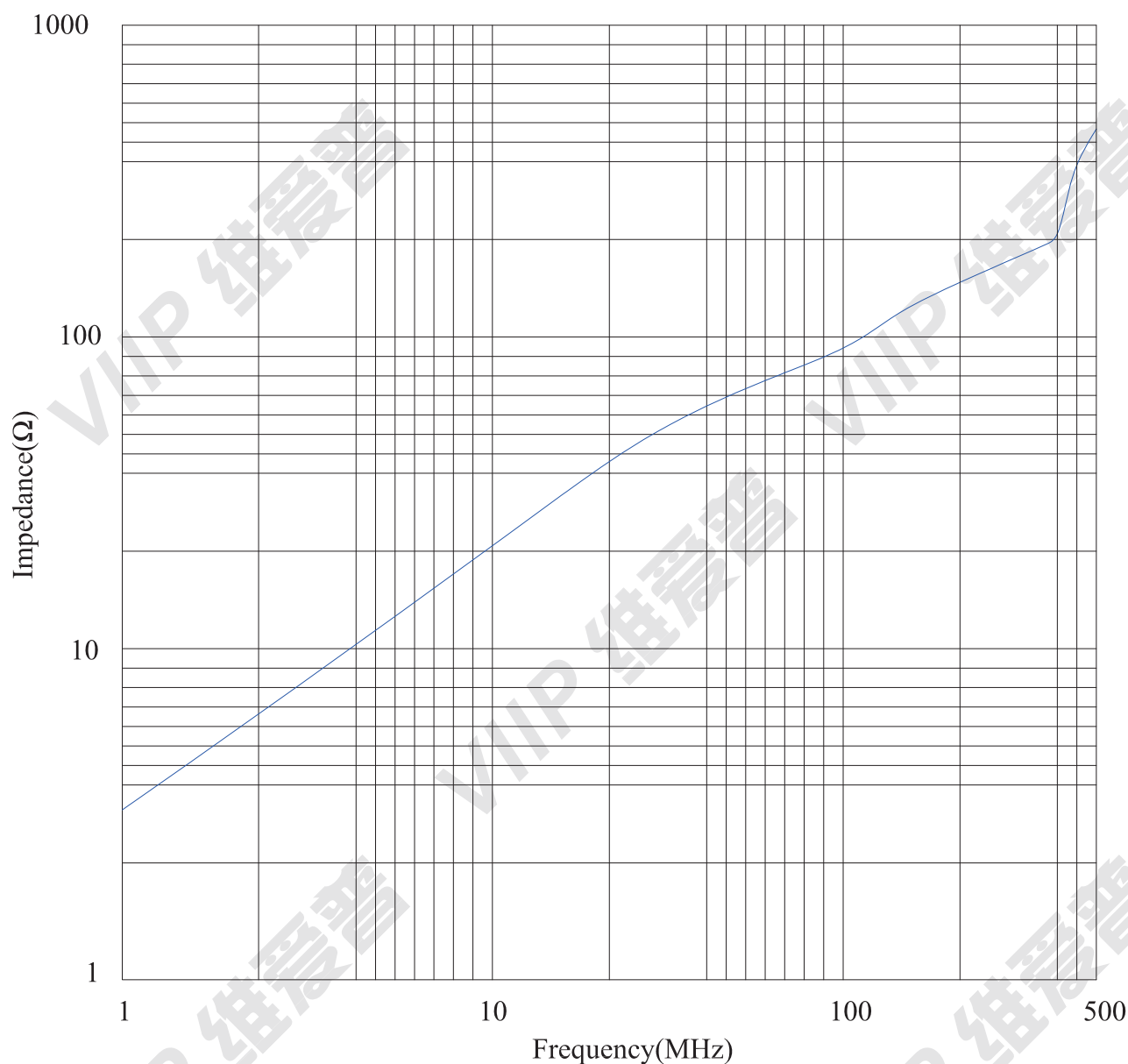
5.The Limit of Breakage(外观标准)

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)
			V18020	mm	Rev.4.0



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 | Ø0.5x0.5TSx100L(mm) |



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检验数据

型号	V18020	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
		30	70			24.0	28.0	10.0	13.5	19.0			
+	/	/			1.0	1.0	0.8	1.0	1.0				
-	0	0			1.0	1.0	0.8	1.0	1.0				
1		43.2	91.6			24.06	28.07	10.08	13.45	19.15			
2		41.6	92.0			24.09	28.12	10.19	13.53	19.18			
3		42.8	92.2			24.05	28.11	10.12	13.50	19.22			
4		42.4	91.8			24.17	28.02	10.05	13.40	19.15			
5		43.0	91.4			24.03	28.06	10.10	13.44	19.25			
6		41.0	92.6			24.16	28.13	10.13	13.30	19.14			
7		43.6	92.2			24.10	28.18	10.10	13.59	19.16			
8		43.2	91.6			24.00	28.04	10.03	13.40	19.28			
9		41.4	91.8			24.13	28.09	10.09	13.50	19.26			
10		42.4	92.4			24.11	28.15	10.06	13.52	19.19			
$\bar{X}$		42.46	91.96			24.09	28.09	10.09	13.46	19.19			
Y/N	Y	Y			Y	Y	Y	Y	Y				

测试仪器：E4991A + 16194A

