

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) V19016

Our Part No. (产品编码)

Our Part No. (产品料号) 6080037101

Date (制作日期) Mar.20.2025

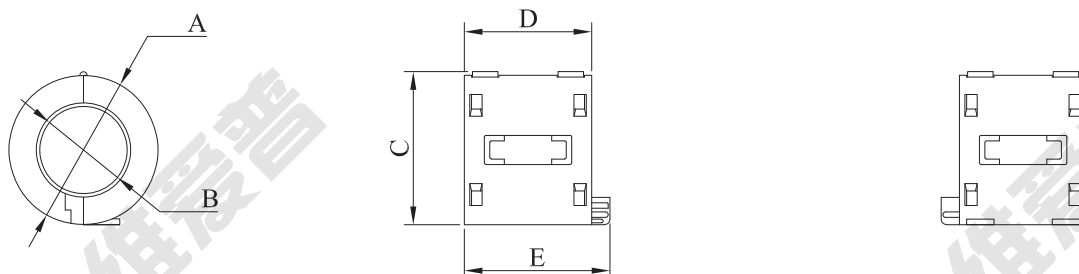
Approved by Customer
客 户 承 认

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SPECIFICATION

2. Physical Dimensions (尺寸图) :



Item(项目)	Dimension(尺寸)	Tolerance(公差范围)	Unit(单位)
A	32.0	±1.0	mm
B	16.0	±1.0	mm
C	32.5	±0.8	mm
D	33.5	±0.5	mm
E	40.0	±0.5	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(0.01MHz)	5-10	280(1600A/m)	200	20	>130	>10 ⁵	4.6

4. Electrical requirements (电气特性): Z1=75 Ω Min at 25 MHz Z2=110 Ω Min at 100 MHz

5. The Limit of Breakage(外观标准)

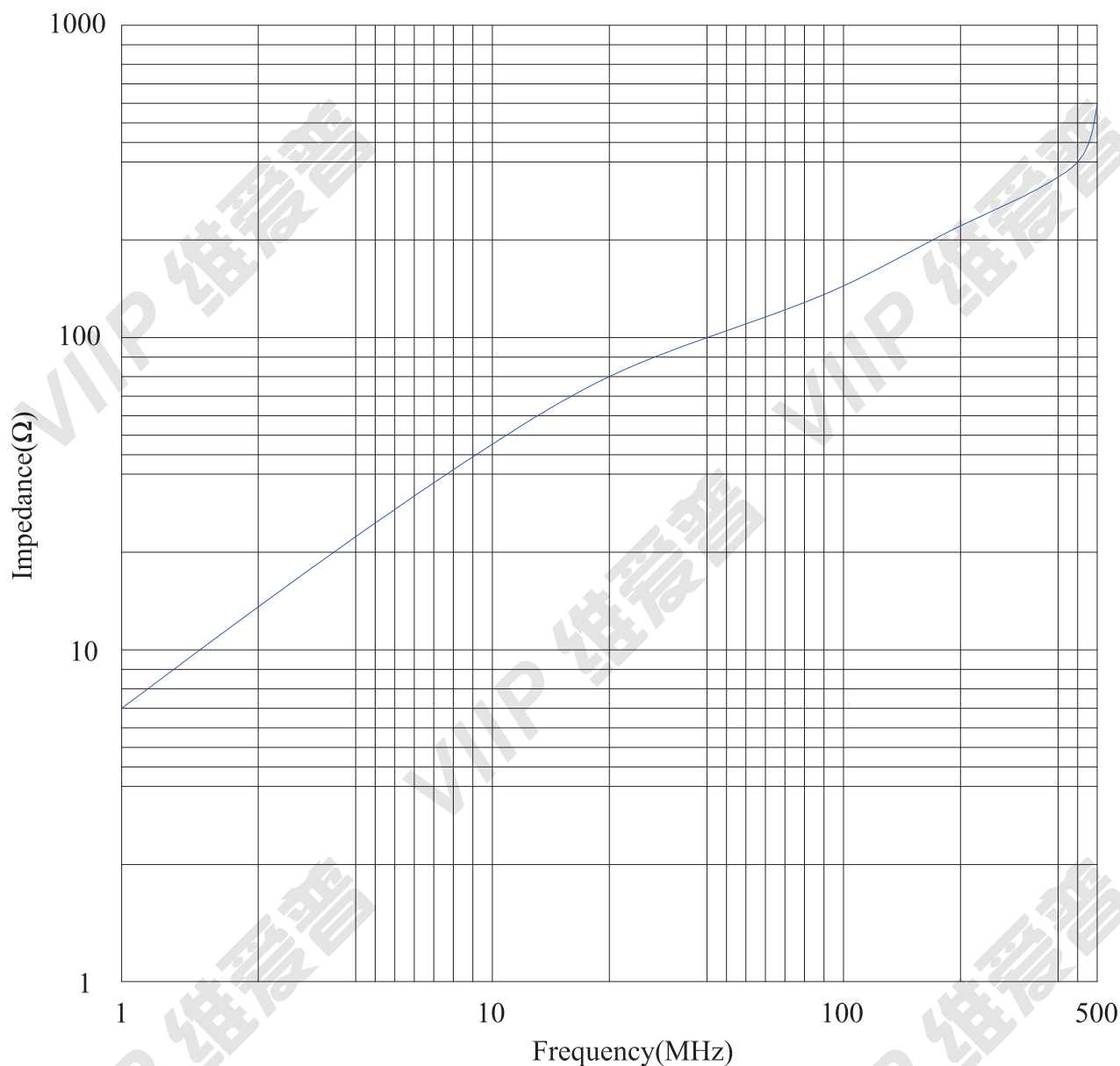
OD(mm)	0~5	5.1~10	10.1~15	15.1~20	20.1~25	25.1~30	30.1~35	35以上	
缺陷面积 Defect area (mm ²)	≤1	≤2	≤3	≤4	≤5	≤6	≤7	≤8	
缺陷个数 Number of de fects(≤)	1	2	3	3	3	3	2	2	

Drawing By(制图)	Checked By(审核)	Approved By(核准)	Ordering No.(品名)	Unit(单位)	Rev.(版本)
RD&Dept. 2025.03.20 Li Endi	RD&Dept. 2025.03.20 Tom Kuang	RD&Dept. 2025.03.20 Jet Wu	V19016	mm	Rev.4.0



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 |
| 2.测试频率区间 | 1-500MHz |
| 3.测试线组 | Ø0.5x0.5TSx100L(mm) |



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

检验数据

型号	V19016		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
		75	110			32.0	16.0	32.5	33.5	40			
+	/	/				1.0	1.0	0.8	0.5	0.5			
-	0	0				1.0	1.0	0.8	0.5	0.5			
1		94.3	162.3			32.12	15.96	32.67	33.58	40.10			
2		93.6	160.5			31.98	15.99	32.71	33.66	40.11			
3		93.9	159.6			31.97	15.95	32.72	33.58	40.13			
4		94.0	159.9			32.17	15.97	32.68	33.56	39.97			
5		92.5	161.2			32.12	16.03	32.58	33.64	39.98			
6		92.8	160.1			31.98	16.06	32.55	33.62	40.05			
7		92.6	159.4			31.96	15.98	32.62	33.57	40.13			
8		93.2	159.5			32.16	15.97	32.65	33.65	39.97			
9		93.0	162.0			32.11	16.03	32.59	33.62	39.99			
10		92.4	161.4			31.98	16.01	32.57	33.58	40.11			
$\bar{X}$		93.23	160.59			32.05	15.99	32.63	33.60	40.05			
Y/N		Y	Y			Y	Y	Y	Y	Y			

测试仪器：E4991A

