

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) V18019

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029036

Date (制作日期) May.30.2025

Approved by Customer
客 户 承 认

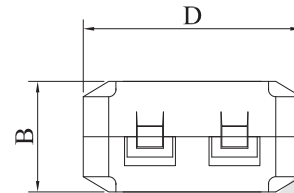
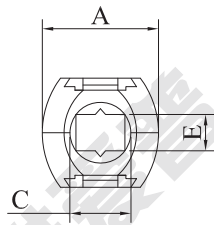
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SPECIFICATION

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	19.5	±1.0	mm
B	18.0	±1.0	mm
C	8.0	±0.8	mm
D	35.0	±1.0	mm
E	5.5	±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=80 Ω Min at 25 MHz Z2=125 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)
			V18019	mm	Rev.4.0

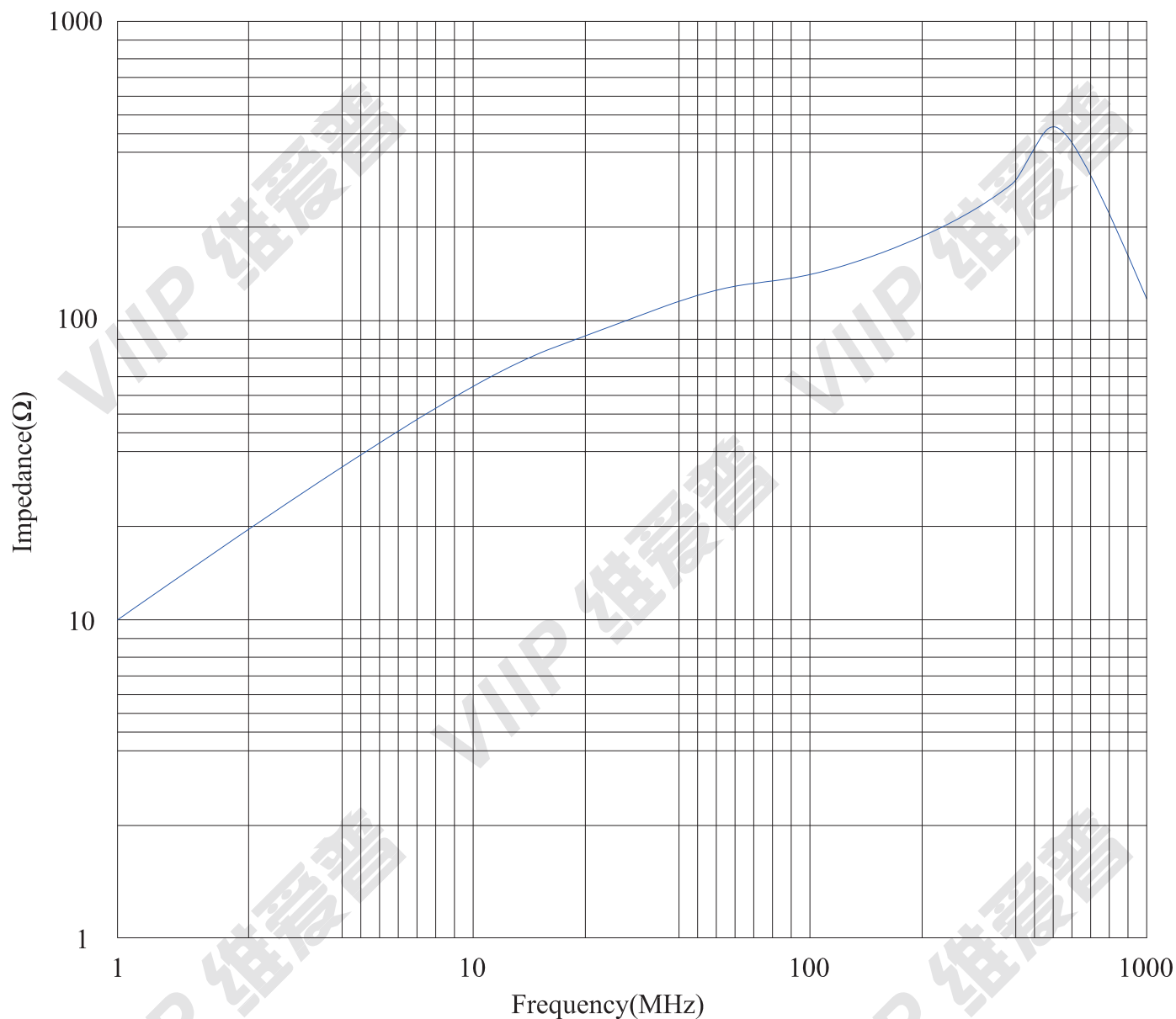
Tel : 0755-29170376

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	V18019	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
		80	125			19.50	18.0	8.0	35.0	5.5			
+	/	/			1.0	1.0	0.8	1.0	1.0				
-	0	0			1.0	1.0	0.8	1.0	1.0				
1		101.2	158.6			19.30	18.40	8.10	35.40	5.50			
2		100.6	159.0			19.40	18.30	8.00	35.40	5.60			
3		100.8	159.2			19.39	18.31	8.00	35.48	5.40			
4		101.4	158.8			19.37	18.33	7.93	35.46	5.45			
5		101.0	159.4			19.35	18.35	7.92	35.44	5.52			
6		100.7	159.5			19.33	18.37	7.99	35.42	5.48			
7		100.5	158.1			19.38	18.39	8.01	35.47	5.53			
8		101.3	158.7			19.36	18.32	8.08	35.49	5.47			
9		101.4	159.8			19.34	18.34	7.94	35.42	5.49			
10		101.1	159.4			19.32	18.36	7.97	35.48	5.51			
$\bar{X}$		100.90	159.05			19.35	18.34	7.99	35.45	5.49			
Y/N		Y	Y			Y	Y	Y	Y	Y			

测试仪器：E4991A + 16194A

