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)	V18040
Our Part No.	(产品编码)	
Our Part No.	(产品料号)	6080029076
Date	(制作日期)	Jun.3.2025

Approved by Customer **客 户 承 认**		

VIIP维爱普

1 Amendment History

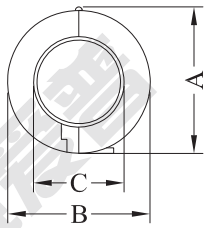
Custromer P/N		*VIIP P/N*	V18040
Part Name	Ferrite Core	*Rev .*	4.0

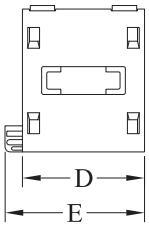
Rev.	*Description*	*Effective Date*	*Page*	*Approved*
4.0	-Initial release	Jun.3.2025	3-5	Jet

Prepared By	*Reviewed By*	*Approved By*
RD&Dept. 2025.06.03 Li Endi	RD&Dept. 2025.06.03 Tom Kuang	RD&Dept. 2025.06.03 Jet Wu

SPECIFICATION

2.Physical Dimensions(尺寸图):





Item(项目)	Dimension(尺寸)	Tolerance(公差范围)	Unit(单位)
A	41.5	± 1.0	mm
B	41.0	± 1.0	mm
C	25.0	± 1.0	mm
D	36.0	± 1.0	mm
E	43.5	± 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 δ/μ_i x10^{-6}	α μ_i γ x10^{-6}	Bs (MT)	Br (MT)	HC (A/m)	Tc (°C)	ρ (Ω.m)	d g/cm³
VN09	850	16(0.1MHz)	5-10	280(1600A/m)	200	20	>130	>10^3	4.6

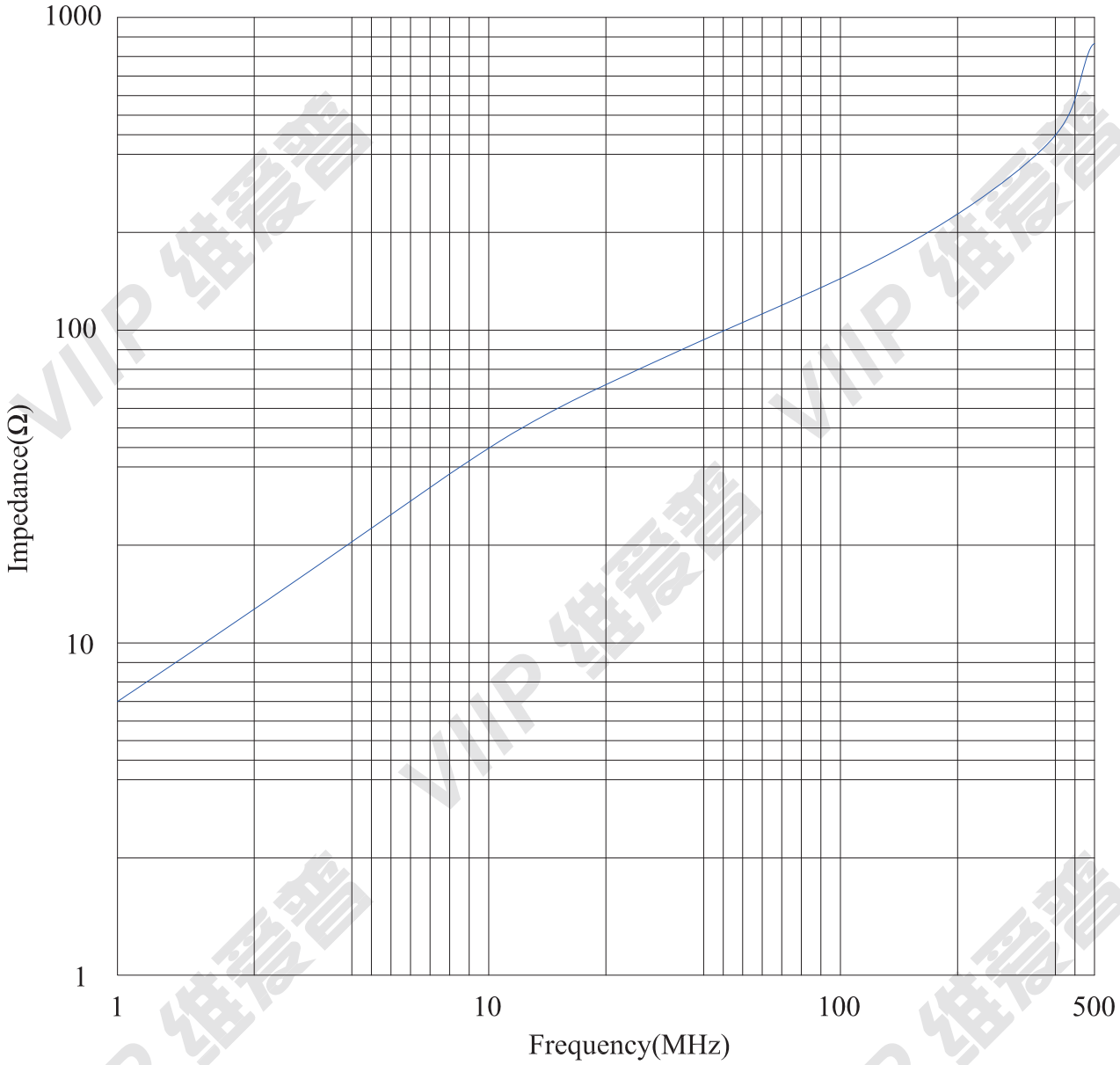
4. Electrical requirements(电气特性):Z1=50Ω Min at 25 MHz Z2=115 Ω Min at 100 MHz

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 (mm²)	≤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)
RD&Dept. 2025.06.03 Li Endi	RD&Dept. 2025.06.03 Tom Kuang	RD&Dept. 2025.06.03 Jet Wu	V18040	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
2.测试频率区间	1-500MHz
3.测试线组	Ø0.5x0.5TSx165L(mm)

VIIP维爱普 深圳市维爱普电子有限公司 SHENZHEN VIIP ELECTRONICS CO.,LTD.

REACH RoHS COMPLIANT

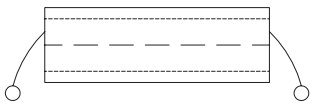
SPECIFICATION

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	V18040		绕组	Ø0.5x0.5TSx165L(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	115			41.5	41.0	25.0	36.0	43.5				
+		/	/			1.0	1.0	1.0	1.0	1.0				
−		0	0			1.0	1.0	1.0	1.0	1.0				
1		78.5	172.0			41.65	40.95	25.11	39.81	43.33				
2		80.1	171.4			41.64	41.02	25.13	36.20	43.37				
3		79.5	172.4			41.69	40.97	25.17	36.17	43.32				
4		77.6	170.6			41.73	41.07	25.16	36.22	43.35				
5		77.9	169.8			41.67	41.03	25.18	36.25	43.33				
6		80.2	168.8			41.69	41.01	25.15	36.23	43.32				
7		79.1	169.4			41.71	40.99	25.16	36.22	43.38				
8		79.4	170.2			41.65	41.06	25.16	36.18	43.43				
9		77.9	171.9			41.73	40.96	25.18	36.23	43.43				
10		78.4	170.2			41.66	41.05	25.19	36.15	43.35				
$\overline{X}$		78.86	170.85			41.68	41.11	25.15	36.20	43.40				
Y/N		Y	Y			Y	Y	Y	Y	Y				

测试仪器：E4991A



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