



# 产品承认书 SPECIFICATION FOR APPROVAL

客户名称:  
CUSTOMER

我司料号:  
OUR PART NO.

XRT22.5\*10\*13.8

我司品名:  
OUR PART NAME

FERRITE CORE

送样日期:  
DATE SAMPLES

数量: 0PCS  
QUANTITY

## 制造确认 MANUFACTURER APPROVE

拟制 DRAWN	审核 CHECKED	确认 APPROVED
HuFangting	RaoPing	ZhongCuilan

## 客户确认 CUSTOMER APPROVE

客户名称 CUSTOMER NAME:

客户料号 CUSTOMER P/N:

规格型号 DESCRIPTION:

T22.5\*10\*13.8

检查结果:  合格  不合格

签名及盖章:

INSPECT RESULT ACCEPT REJECT

SIGNATURE AND STAMP

说明 REMARK:

如对本承认书内容有异议请提出或标记发送至我司，本承认书在未收到异议回复时于本承认书提供一周后生效。

If you have any objection to the contents of this acknowledgment, please raise it or send the mark to us. The acknowledgment will become effective one week after the acknowledgment is provided in the absence of any objection.

东莞市祥如电子有限公司

DONGGUAN XIANGRU ELECTRONICS CO., LTD

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# SPECIFICATION

RoHS Compliant

CUSTOMER		SHEET NO.	Page 1 of 4
			2024-11-15
PART NAME	FERRITE CORE	MODEL NAME	
PART NO.		TYPE	<b>XRT22.5*10*13.8</b>

## 1. PRODUCT IDENTIFICATION & PICTURE

XRT 22.5\*10\*13.8

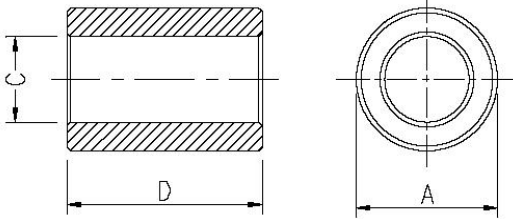
1 2 3 4

### Naming Method

- 1 Type
- 2 External Diameter
- 3 Internal Diameter
- 4 Height



## 2. DIMENSIONS



Configuration	Dimensions (mm)	
A	22.50	±0.5
B		
C	13.80	±0.4
D	10.00	±0.5
E		
F		
G		
H		
I		

## 3. ELECTRICAL CHARACTERISTICS

No.	Characteristics		Testing Conditions
	Frequency	Impedance	
1	25 MHz	30 Ω Min.	Equipment : HP 4191A Fixture : Winding : Ø0.65mm 2 UEW L : 120mm 1 Turns
2	100 MHz	60 Ω Min.	

	DESIGN	CHECK	APPROVAL
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## 4. LIST OF MATERIALS

No.	Component	Name of Material	Manufacture of Material	Remarks
1	Core	Z70	ZHONG & CI Ferrite Electronics (HK) Ltd.	RoHS compliant

## 5. RELIABILITY TEST

No.	Item	Test Conditions	Remarks
1	Vibration	Frequency : 10 ~ 55Hz	No evidence of damage (Electrical and Appearance)
		Amplitude : 0.762 mm	
		X-axis, Y-axis, Z-axis : 2 hr, each direc.	

## 6. OPERATION CONDITIONS

No.	Item	Test Conditions	Remarks
1	Operation Temperature	-25 ~ +125°C	If any doubtful results is obtained, conduct the relevant test again at 23 ± 2°C and a relative Humidity of 60 ~ 70%
2	Storage Temperature	-25 ~ +125°C	
3	Typical Condition of measurement	Temperature 25 ± 15°C	
		Humidity 45 ~ 85%	

## 7. STANDARD PARKAGING CONDITION & Weight

No.	Material	Quantity	Remarks
1	Plastic Bag	pieces / packet	
2	TB Box	packets / TB Box	
3	Carton Box	pieces / Carton Box	
4	Weight per piece	gm	Approximate Weight
5	Weight per carton box	Kg	Approximate Weight

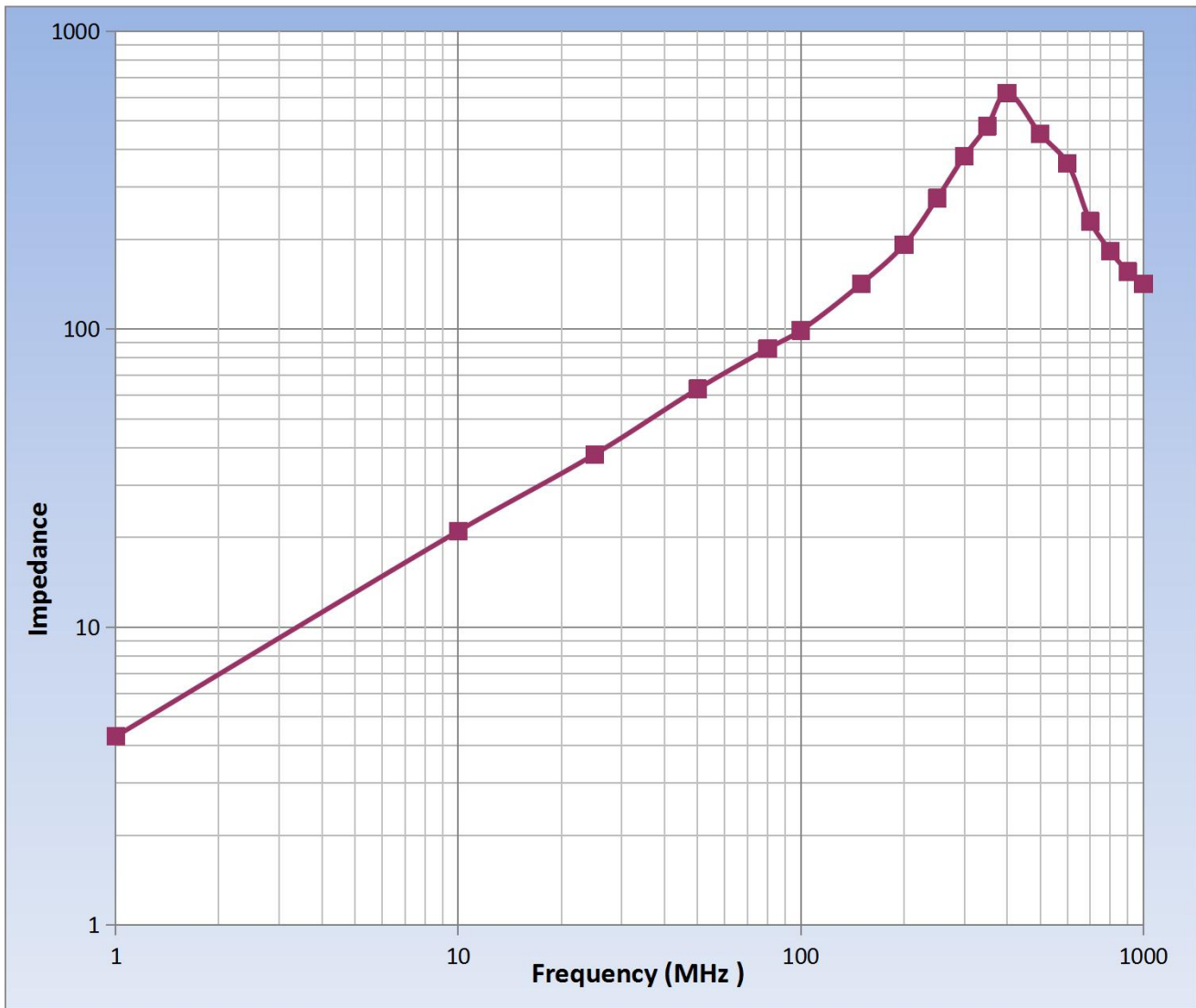
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**8. IMPEDANCE Vs FREQUENCY CHARACTERISTICS**

z(Ω) \ Freq. (MHz)	1	10	25	50	80	100	150	200	250	300	350	400	500	600	700	800	900	1000
XRT22.5*10*13.8	4.3	21	38	63	86	99	142	192	275	380	480	620	452	360	230	183	156	142



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## 9. INSPECTION DATA

Checking Instrument : Agilent E4991A Impedance Analyzer

Test Condition :  $\varnothing$  0.65mm 2 UEW L : 120mm 1Turn

Temperature : 24°C Humidity : 60%

1	Impedance ( $\Omega$ )			Dimensions				
Conf.	at 25MHZ	at 100MHZ		A		C	D	
Spec	30 $\Omega$	60 $\Omega$		22.50		13.80	10.00	
	Min	Min		$\pm 0.5$		$\pm 0.4$	$\pm 0.5$	
1	39.2	98.9		22.38		13.79	9.96	
2	39.0	99.2		22.26		13.82	10.02	
3	39.5	98.7		22.36		13.72	9.98	
4	39.1	99.5		22.24		13.78	9.99	
5	38.5	98.6		22.32		13.82	10.05	
6								
7								
8								
9								
10								
X	39.06	98.98		22.31		13.79	10.00	
R	1.0	0.9		0.14		0.10	0.09	

Remarks

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