

# 产品规格书

客戶名稱  
Customer

料號  
Part No.

圖號  
Drawing No.

品名  
Part Name : **XRT22.5\*10\*13.8**

日期  
Date : **15-Nov-23**

貴公司確認  
Approved by

Approval 承認

Tentative approval with the following changes 暫時承認, 修改如下

Reject with the following reasons 不承認, 原因如下

Comments 意見

備注 : 樣品如無問題, 煩請貴司承認後盡快將承認書回傳我司!

Remark : Please return a copy of us if approved by your organization.

# SPECIFICATION

RoHS Compliant

CUSTOMER		SHEET NO.	Page 1 of 4
			2023-11-15
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

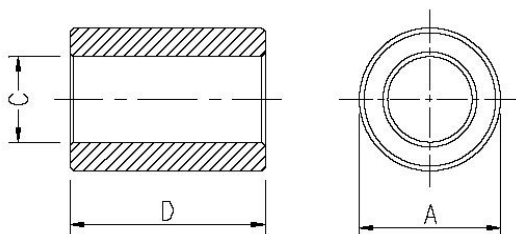
1 2 3 4

### 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 $\Omega$ Min.	Equipment : HP 4191A Fixture : Winding : $\varnothing$ 0.65mm 2 UEW L : 120mm 1 Turns
2	100 MHz	60 $\Omega$ Min.	

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		范进	李燕

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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

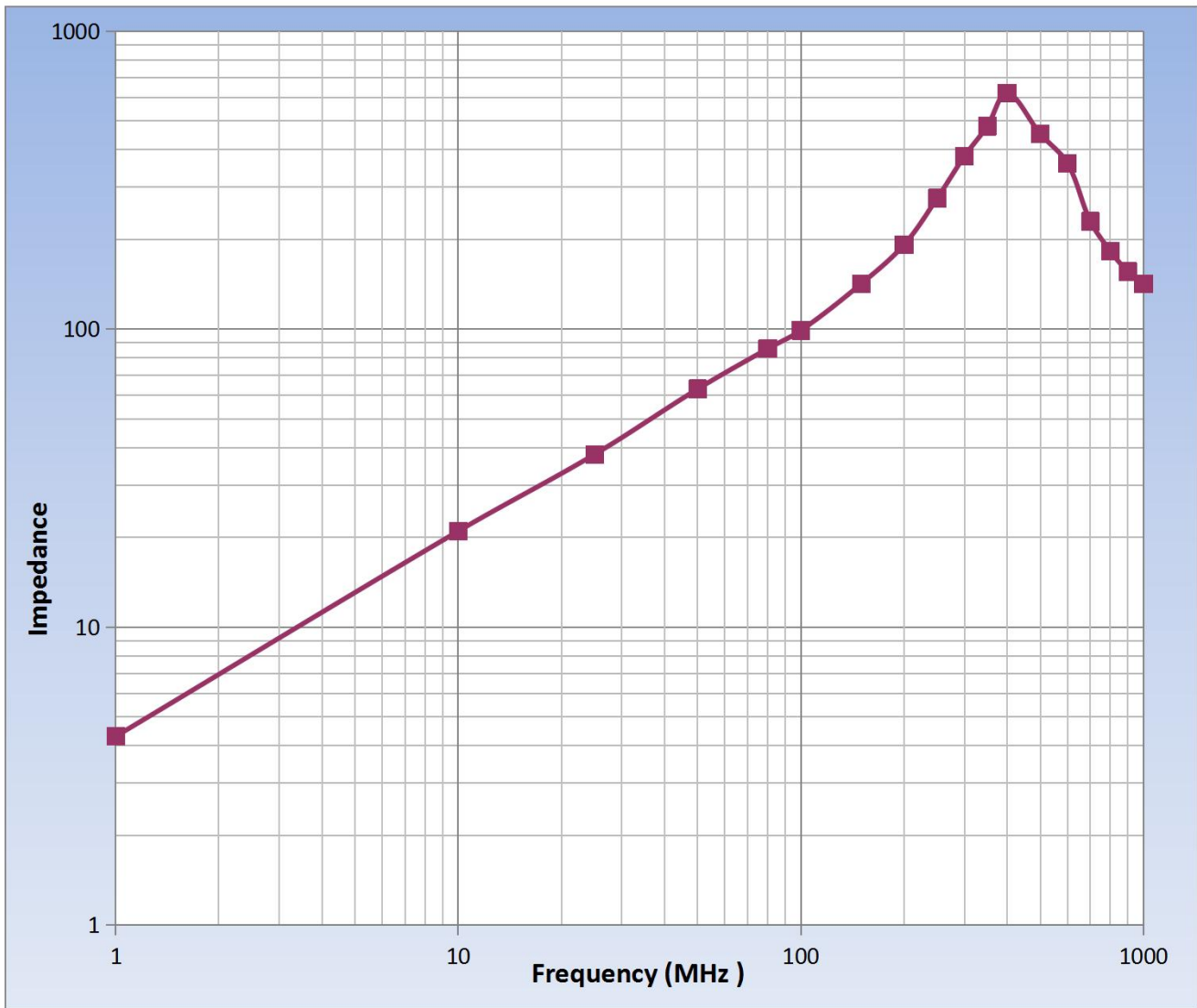
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SPECIFICATION			RoHS Compliant		
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**8. IMPEDANCE Vs FREQUENCY CHARACTERISTICS**

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 : Ø 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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[XRRH3.5\\*3.2\\*1.6](#) [XRRH4\\*2\\*2](#) [XRRH3.5\\*6\\*1.0](#) [XRRH3.5\\*6\\*1.5](#) [XRRH3.5\\*3.5\\*1.8](#) [XRR4\\*12](#) [XRRH6\\*3\\*3](#) [XRRH3.5\\*4\\*1.0](#) [XRR3\\*12](#)  
[XRRH3.5\\*9\\*1.0](#) [XRR4\\*10](#) [XRRH3.5\\*9.0\\*1.5](#) [XRRH3.5\\*3.5\\*1.5](#) [XRRH3.5\\*5\\*1.5](#) [XRRH3.5\\*2\\*1.8](#) [XRRH3.5\\*3\\*1.5](#) [XRRH4\\*6\\*2](#)  
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[F9-BP RH 3.5\\*9\\*1.5](#) [XRRH9.5\\*19.5\\*5](#) [XRRH7.8\\*12.7\\*4.5](#) [XRRH12\\*15\\*7.2](#) [XRRH9\\*16\\*5](#) [XRRH12\\*20\\*6.5](#) [XRR6\\*25](#) [XRR8\\*20](#)  
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[XRRH9.5\\*12.5\\*5](#)