



# 樣品承認書

## Specification For Approval

( RoHS Compliance )

客戶名稱

Customer

料號

Part No.

圖號

Drawing No.

品名

Part Name

: **XRT28\*13\*16**

日期

Date

: **2021.6.15**

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 5
			2021-6-15
PART NAME	FERRITE CORE	MODEL NAME	
PART NO.		TYPE	<b>XRT28*13*16</b>

## 1. PRODUCT IDENTIFICATION & PICTURE

XRT 28 \* 13 \* 16  
 1 2 3 4

### Naming Method

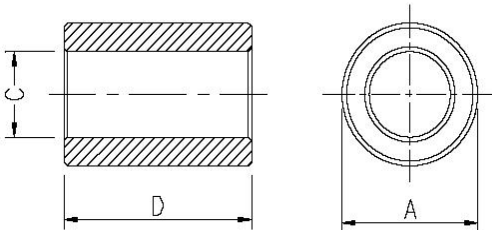
- 1 Type
- 2 External Diameter
- 3 Height
- 4 Internal Diameter



Configurations

Product Picture

## 2. DIMENSIONS



Configuration	Dimensions (mm)	
A	28.00	±0.7
B		
C	16.00	±0.6
D	13.00	±0.5
E		
F		
G		
H		
I		

## 3. ELECTRICAL CHARACTERISTICS

No.	Characteristics		Testing Conditions
	Frequency	Impedance	
1	25 MHz	40 Ω Min.	Equipment : HP 4191A Fixture : Winding : Ø0.65mm 2 UEW L : 120mm 1 Turns
2	100 MHz	95 Ω Min.	

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## 4. LIST OF MATERIALS

No.	Components	Name of Material	Manufacture of Material	Remarks
1	Core	Ni-Zn Ferrite ( F9S )	SHENG& CI 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 ~ +85°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 ~ +85°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

	DESIGN	CHECK	APPROVAL
	范进	李燕	陈荣斌

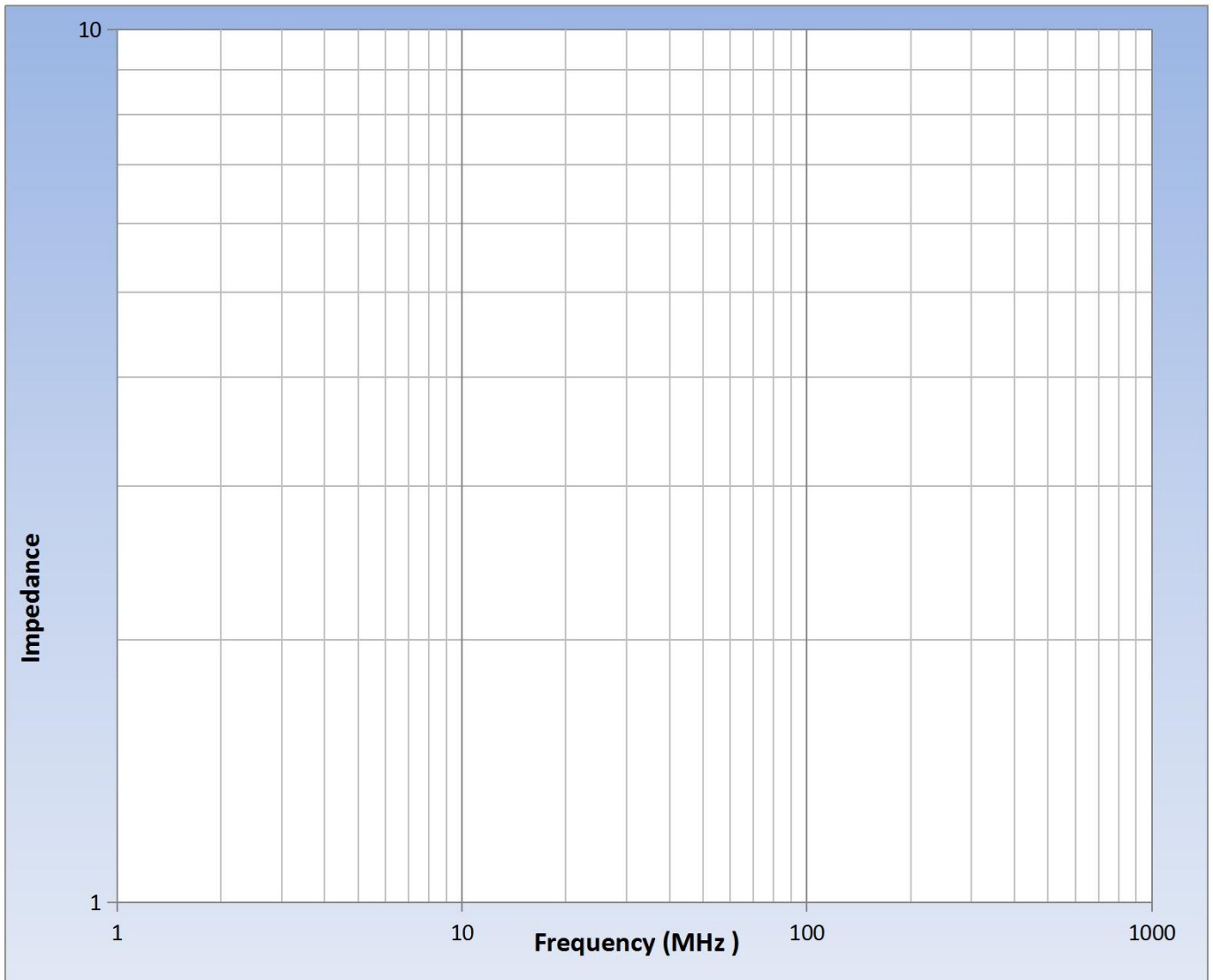
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## 8. IMPEDANCE Vs FREQUENCY CHARACTERISTICS

$Z(\Omega)$ \ Freq. (MHz)	1	10	25	50	80	100	150	200	250	300	350	400	500	600	700	800	900	1000	
F9S T 28X13X16																			



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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.	at40MHZ	at 95MHz		A	C	D	
Spec	45 $\Omega$	100 $\Omega$		28.00	16.00	13.00	
	Min	Min		$\pm 0.7$	$\pm 0.6$	$\pm 0.5$	
1	44.0	98.3		27.98	16.20	12.85	
2	45.0	102.5		27.85	16.15	12.96	
3	44.0	100.3		27.84	16.14	12.97	
4	45.0	98.5		27.95	16.08	12.84	
5	43.0	99.3		28.00	16.04	12.89	
6	44.0	99.7					
7	45.0	100.2					
8	45.0	99.8					
9	44.0	103.1					
10	46.0	100.5					
$\bar{X}$	44.60	100.20		27.924	16.122	12.902	
R	1.5	4.8		0.16	0.16	0.13	

Remarks