

Travelling Merchant: \_\_\_\_\_

# DATASHEET

Standard:           **T21-S583-50.00MHz**            
\_\_\_\_\_

Plot			The Label
Drew	Audited	Approved	
			Stamp, please! Thanks!
Date: 2022.07.01			

## Guangdong Dapu Telecom Technology Co.,Ltd

Building 5, No.24, Industrial East Road, Songshanhu Park, Dongguan, Guangdong, P.R. China

TEL: 0086-0769-88010888 FAX: 0086-0769-81800098

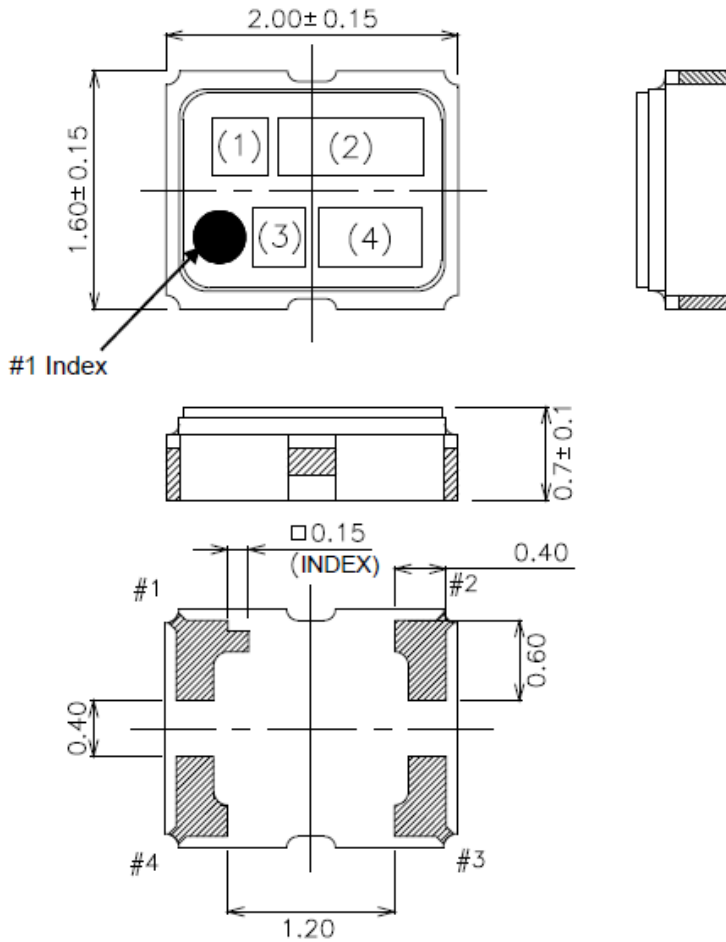


## 1、 Electrical Parameters

MODEL: T21-S583-50.00MHz								
No.	Parameters		SYM.	Electrical Spec.				Notes
				Min.	Typ.	Max.	Units	
1	Nominal Frequency		FL	50.00			MHz	Original frequency
2	Supply Voltage		Vcc				V	
3	Current consumption		-			1.5	mA	
4	Output Level		-	0.8		-	Vp-p	
5	Output Waveform		-	Clipped sine wave			-	
6	Standard Output Load		-	9	10	11	KΩ//pF	
7	Frequency Stability	vs.Tolerance	-	-1.5		+1.5	$\times 10^{-6}$	at 25°C,2H,After 2 times reflow soldering, based on Nominal Frequency ,
8		vs. Temperature	-	-0.5		+0.5	$\times 10^{-6}$	T <sub>A</sub> = -40~+85°C,Based on Frequency at 25°C)
9		vs. Long-term	-	-1		+1	$\times 10^{-6}$	year at 25°C
10		vs. Load	-	-0.2		+0.2	$\times 10^{-6}$	Load:10KΩ//10pF ±10% each
11		vs. Supply Voltage	-	-0.2		+0.2	$\times 10^{-6}$	+1.8V +/-5%
12	Supply Voltage			1.71	1.8	1.89	V	
13	Control voltage(Vcont)			+0.3	+0.9	+1.5	V	
14	Frequency control range		-	-15		-9	$\times 10^{-6}$	Vcont=+0.3V,based on frequency at Vcont=+0.9VDC
15			-	+9		-15	$\times 10^{-6}$	Vcont=+1.5V,based on frequency at Vcont=+0.9VDC
16	Frequency changed polarity		-	Positive				
17	Start Up Time		-	-		2.0	ms	@90% of final Vout level
18	Phase Noise		-		-105		dBc/Hz	100Hz
					-125			1KHz
					-145			10KHz
					-150			100KHz
19	Operating Temperature Range		-	-40		+85	°C	
20	Storage Temperature		-	-40		+85	°C	



## 2、 Mechanical Structure(mm)



### Pin Connections

Pin No.	Connection
#1	Vcont
#2	GND
#3	Output
#4	V <sub>cc</sub>

### Marking

(1) Model code	AN
(2) Frequency	50.0 (MHz, 3digits)
(3) Logo	D
(4) Date code	Year (1 digit) +Week (2digits) e.g.2015/1/1 → 501

unit: mm

Dimensional Tolerance: ±0.1

(Unless otherwise noted)

## 3、 Test Circuit

