

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

# DATASHEET

Standard:           DZT21-S589-10.00MHz-K            
\_\_\_\_\_

Plot			The Label
Drew	Audited	Approved	
			Stamp, please! Thanks!
Date: 2022.03.29			

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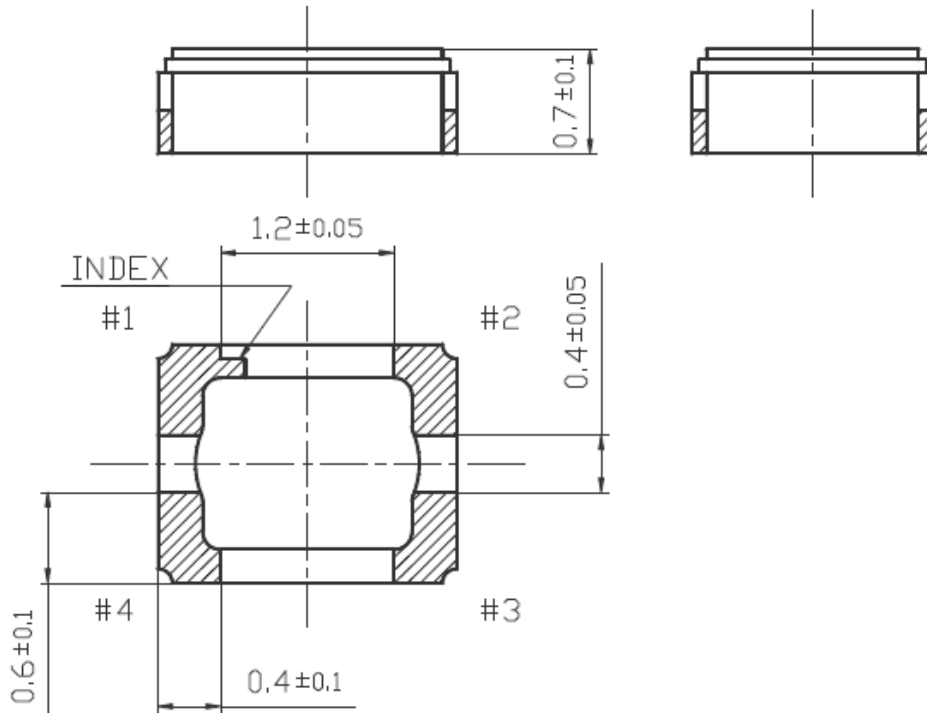
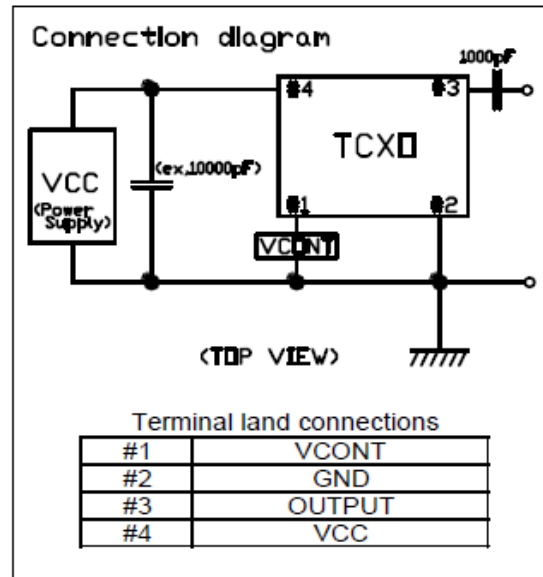
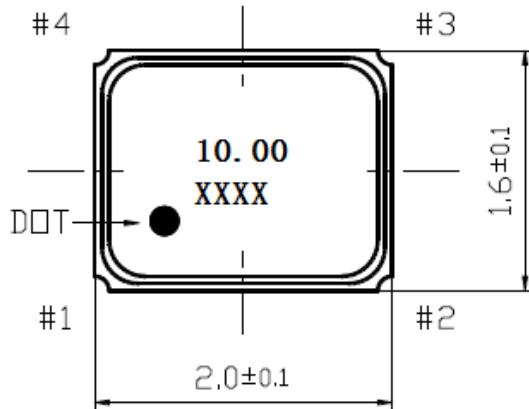


## 1、 Electrical Parameters

MODEL: DZT21-S589-10.00MHz-K								
No.	Parameters		SYM.	Electrical Spec.				Notes
				Min.	Typ.	Max.	Units	
1	Nominal Frequency		FL	10.00			MHz	Original frequency
2	Supply Voltage		Vcc	3.135	3.3	3.465	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 +/-2°C, 2H, After 2 times reflow soldering, based on Nominal Frequency, at control voltage(Vcont)=±1.5VDC
8		vs. Temperature	-	-0.5	-	+0.5	$\times 10^{-6}$	T <sub>A</sub> varied from -40°C to 105°C, measurement referenced to frequency observed with f <sub>ref</sub> =(f <sub>max</sub> +f <sub>min</sub> )/2, at control voltage(Vcont)=±1.5VDC
9		vs. Long-term	-	-1	-	+1	$\times 10^{-6}$	year at +25°C +/-2°C
10		vs. Load	-	-0.2	-	+0.2	$\times 10^{-6}$	Load:10KΩ//10Pf, ±10% each
11		vs. Supply Voltage	-	-0.2	-	+0.2	$\times 10^{-6}$	+3.3V +/-5%
12	Control voltage(Vcont)			+0.5	+1.5	+2.5	V	
13	Frequency control range (T.B.D)			-15		-10	$\times 10^{-6}$	Vcont=+0.5V, based on frequency at Vcont=+1.5VDC
14				+10		-15	$\times 10^{-6}$	Vcont=+2.5V, based on frequency at Vcont=+1.5VDC
15	Frequency changed polarity			Positive				
16	Operating Temperature Range		-	-40	~	+105	°C	
17	Storage Temperature		-	-40	~	+105	°C	
18	Start Up Time		-	-	-	2.0	ms	@90% of final Vout level
19	Phase Noise( at +25°C +/-2°C) T.B.D					-85	dBc/Hz	10Hz
						-117		100Hz
						-137		1KHz
						-145		10KHz
						-156		100KHz
						-157		1MHz



## 2、Mechanical Structure(mm)



**Note1:** Tolerance  $\pm 0.2$ mm

**Note2:** The first two xx representative: year  
After two xx representative: week