

Travelling Merchant: _____

DATASHEET

Standard: **T22-S573-19.20MHz-MS**

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2021.03.16			

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1、 Electrical Parameters

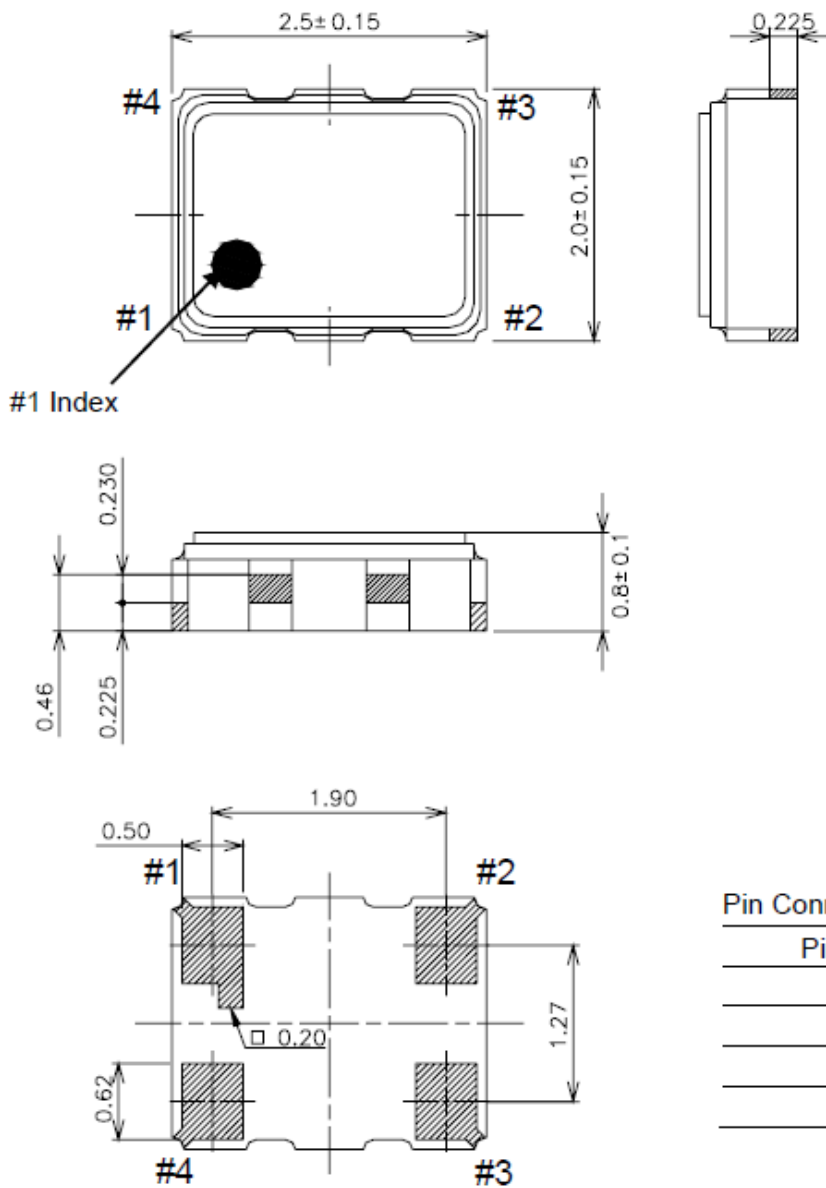
MODEL: T22-S573-19.20MHZ-MS								
No.	Parameters	SYM.	Electrical Spec.				Notes	
			Min.	Typ.	Max.	Units		
1	Nominal Frequency	FL	19.20			MHz	Original frequency	
2	Supply Voltage	Vcc	2.66	2.8	2.94	V		
3	Absolute Maximum Ratings Supply Voltage	Vcc	-0.3		4.6	V		
4	Current Drain	-	-	-	1.5	mA		
5	Output Level	-	0.8	1	1.2	Vp-p		
6	Start Up Time	-	-	-	2.0	ms	To 90% of output amplitude)	
7	Duty Cycle	-	40	~	60	%		
8	Harmonics				-8	dBc	2 nd and 3 rd order	
9					-15	dBc	All other harmonics	
10	Output Waveform	-	Clipped Sine wave			-		
11	Standard Output Load	-	10KΩ//10pF			-		
12	Frequency Stability	vs. Tolerance	-	-1.5	-	+1.5	× 10 ⁻⁶	After 2 times reflow Ref. to Nominal Frequency
13		vs. Temperature	-	-0.5	-	+0.5	× 10 ⁻⁶	T _A varied from -30°C ~ +85°C, Ref. to Frequency T _A =25°C
14		vs. Load	-	-0.2	-	+0.2	× 10 ⁻⁶	±10% load change measurement referenced to frequency observed with T _A = 25°C, V _{cc} =2.8V, O _{Load} = 10KΩ//10pF .
15		vs. Supply Voltage	-	-0.2	-	+0.2	× 10 ⁻⁶	V _{cc} varied from 2.66V to 2.94V
16	Operating Temperature Range	-	-30	~	+85	°C		
17	Storage Temperature	-	-40	~	+85	°C		
18	Root Allan Variance				1	× 10 ⁻⁹	Tau=1s	
19	Aging @25°C		-1	-	+1	× 10 ⁻⁶	1 Year	
			-1.5	-	-1.5	× 10 ⁻⁶	3 Years	
			-2	-	-2	× 10 ⁻⁶	5 Years	
			-3.5	-	-3.5	× 10 ⁻⁶	10 Years	
20	Frequency Tuning Range	-	-15	-	-9	× 10 ⁻⁶	V _c = 0.4 V. measurement referenced to V _c =1.4V	
		-	+9	-	+15	× 10 ⁻⁶	V _c =2.4V. measurement referenced to V _c =1.4V	
21	Linearity	-	-	-	10	%		
22	Slope		Positive					
23	Input Impedance	-	500	-	-	KΩ		



24	Phase Noise @25°C	@ 1Hz Offset	-	-	-	-55	dBc/Hz	
		@10Hz Offset	-	-	-	-82	dBc/Hz	
		@ 100Hz Offset	-	-	-	-110	dBc/Hz	
		@ 1KHz Offset	-	-	-	-130	dBc/Hz	
		@ 10KHz Offset	-	-	-	-145	dBc/Hz	

(Ta= -30 to +85C, Vc=1.4+/-1V, Vcc=2.8V, Load R/C = 10k/10pF, unless otherwise noted)

2、Mechanical Structure(mm)



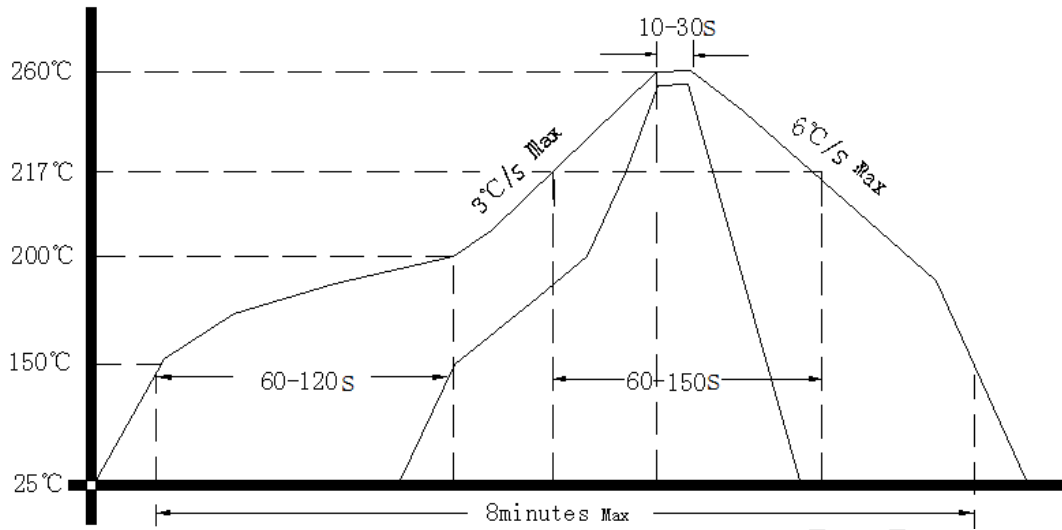
Pin Connections

Pin No.	Connection
#1	V _{CONT}
#2	GND
#3	Output
#4	V _{CC}

Note1: Tolerance ± 0.15 mm



3、 Reflow Soldering Curve (RoHS)



4、 Package: Tape & Reel (mm)

