

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

# DATASHEET

Standard:                   **DPCA125M0001**                    
 \_\_\_\_\_

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2023.08.15			

## 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

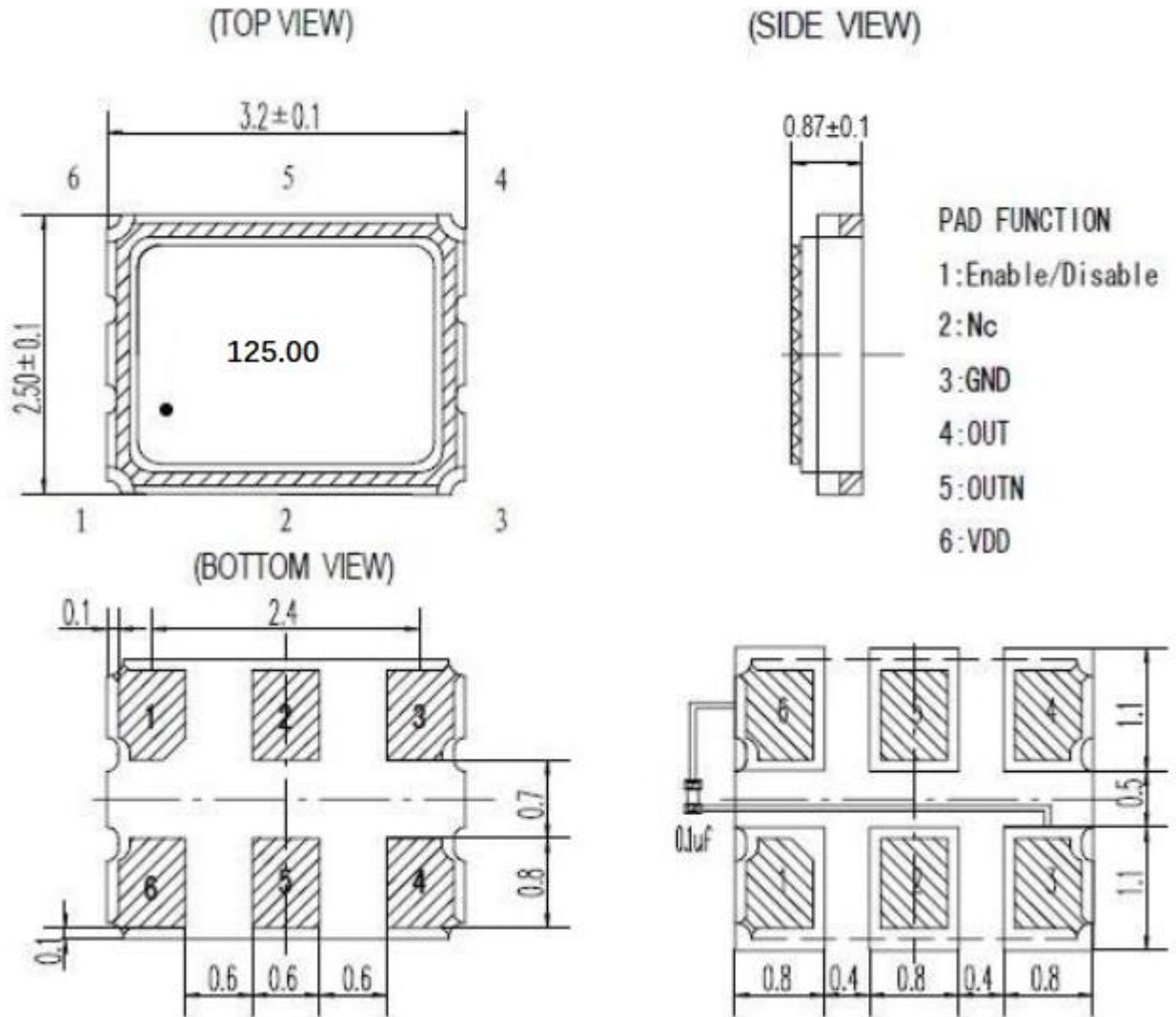


## 1、 Electrical Parameters

MODEL: DPCA125M0001							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	125.00			MHz	
2	Vibration Mode	-	3rd				
3	Output Waveform	-	LVPECL				
4	Total stability	F-stab	-30		+30	$\times 10^{-6}$	Include frequency tolerance@25°C and frequency stability vs. operating temperature range and voltage variance.
5	Operating Temperature	-	-40	25	85	°C	
6	Storage temperature range	-	-55		125	°C	
7	Operating Supply Voltage	Vdd	2.97	3.3	3.63	V	
8	“H” Output voltage	VOH	Vcc-1.025		Vcc-0.88	V	RL=50 ohms to (Vcc-2V)
9	“L” Output voltage	VOL	Vcc-1.81		Vcc-1.62	V	RL=50 ohms to (Vcc-2V)
10	Max Supply Voltage Range	-	-0.5		5	V	
11	Supply Current	Icc			70	mA	
12	Start up Time	-			10	mS	
13	Rise and Fall Time	Tr/Tf			0.5	nS	@20%-80%
14	Duty Cycle	-	45	50	55	%	@Vcc-1.3V
15	Aging	-	-3		+3	$\times 10^{-6}$	1year@25°C
16	Jitter	RMS			0.3	ps	12kHz ~ 20MHz
17	Phase Noise				-60	dBc	10Hz
					-95	dBc	100Hz
					-125	dBc	1KHz
					-140	dBc	10KHz
					-148	dBc	100KHz
					-152	dBc	1MHz
18	Enable Feature						
19	“H” Input Voltage	VIH	Vcc*0.7			V	
20	“L” Input Voltage	VIL			Vcc*0.3	V	
21	E/D (Pin 1)	Logic “1”Or Floating input, Outputs enable; Logic “0” ,Outputs disable					



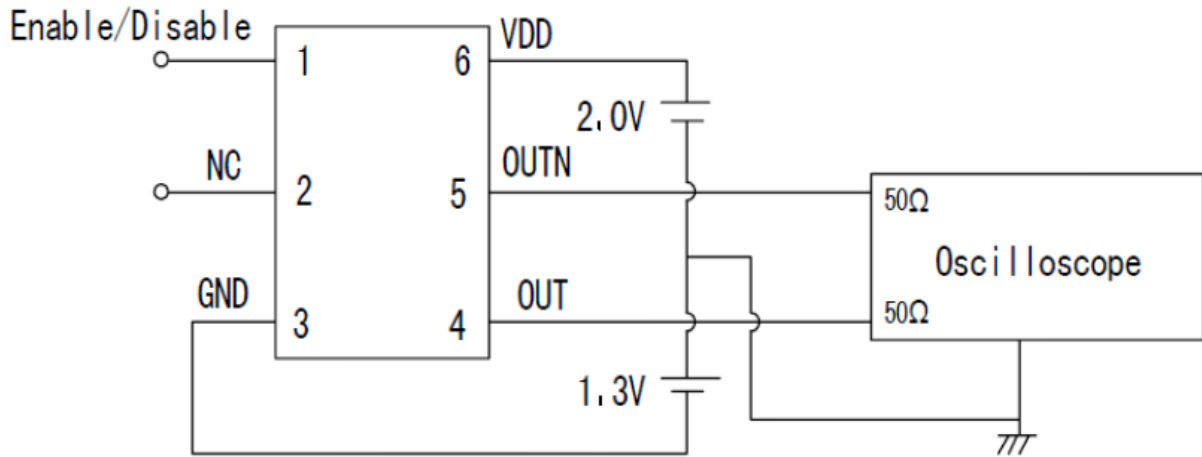
## 2、 Mechanical Structure(mm)



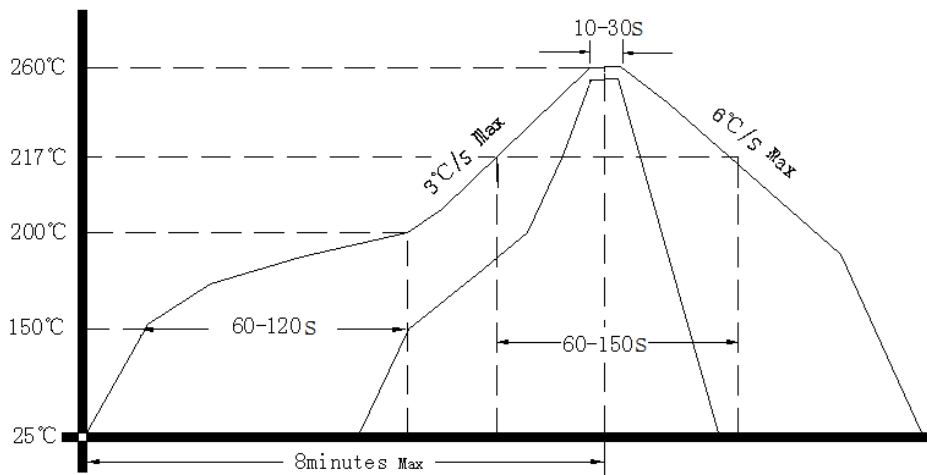
**Note1:** Tolerance ±0.2 mm



### 3. Test Circuit



### 4. Reflow Soldering Curve (RoHS)



### 5. Package: Tape & Reel (mm)

