Customer Code :_____

DATASHEET

DAPU P/N: **DPBA10000006**

Plot			The Label
Drew	Audited	Approved	
Amway.wei	Carry.Wang	Jason Zhao	
Date: 2020.09.15			Stamp, please! Thanks!

Guangdong Dapu Telecom Technology Co.,Ltd

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1、Electrical Parameters

MODEL：DPBA10000006							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL		100.00		MHz	
2	Output Waveform			LVPECL			
3	Supply Voltage		2.375	2.5	2.625	V	
4	Frequency Tolerance	F-stab	-50		+50	$\times 10^{-6}$	Inclusive of initial tolerance, temperature varation, supply voltage change,reflow drift and aging(25℃,10years)
5	Operating Temperature	T-opr	-40	~	+85	℃	
6	Storage Temperature	T-stg	-40	~	+100	℃	
7	First Year Aging	F-aging1	-10		+10	$\times 10^{-6}$	25℃
8	Current Consumption	Idd	-		80	mA	OE=Vcc,LECL=50Ω
9	Disable Current	I_OE			20	mA	OE =GND
10	Rise/Full Time	Tr、Tf			400	ps	20%~80%
11	Duty Cycle	DC	45		55	%	
12	Output Voltage High	VOH	Vcc-1.025	1.55	Vcc-0.88	V	
13	Output Voltage Low	VOL	Vcc-1.81	0.8	Vcc-1.62	V	
14	Input Voltage High	VIH	70%Vcc	-	-	V	Pin 1
15	Input Voltage Low	VIL	-	-	30%Vcc	V	Pin 1
16	Output load condition	L ECL		50		Ω	Terminated to Vcc-2.0V
17	Start up Time	T_start	-		10	ms	Time at minimum supply voltage to be 0 s.
18	Phase Jitter	T_phj			0.5	ps	Offset frequency =12kHz to 20MHz
19	Mechanical Shock	MIL-STD-883F,Method 2002					
	Mechanical Vibration	MIL-STD-883F,Method 2007					
	Temperature Cycle	JESD22, Method A104					
	Solderability	MIL-STD-883F,Method 2003					
	Moisture Sensitivity Level	MSL1@260℃					

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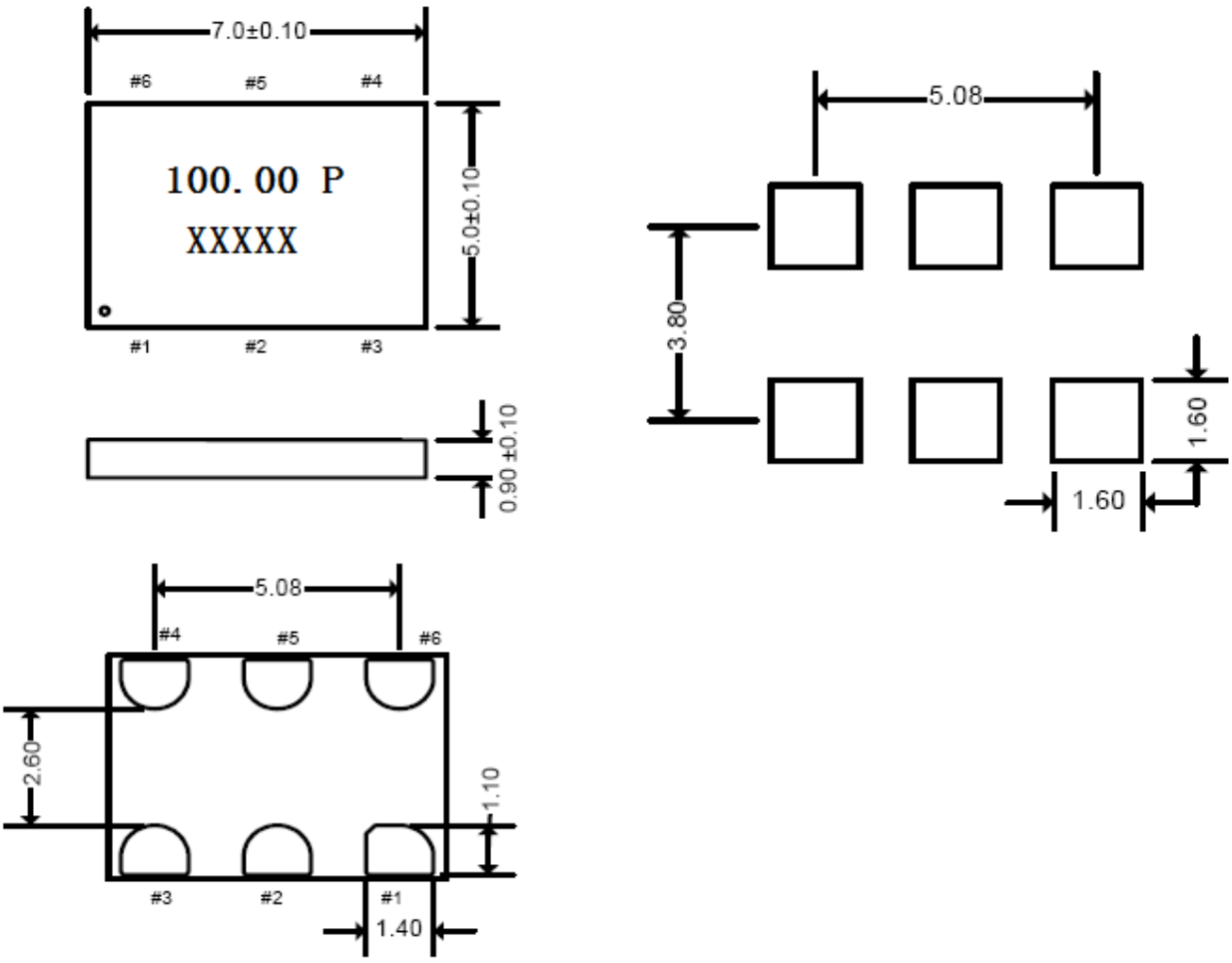
2、Mechanical Structure(mm)



Pin Description

Pin	Map	Functionality	
1	$\overline{ST}$	Input	H or Open: specified frequency output L: Device goes to sleep mode. Supply current reduces to I_std.
2	NC	NA	No Connect; Leave it floating or connect to GND for better heat dissipation
3	GND	Power	VDD Power Supply Ground
4	OUT+	Output	Oscillator output
5	OUT-	Output	Complementary oscillator output
6	VDD	Power	Power supply voltage

Note1: Tolerance±0.2mm without mark

Note2: Referential weight 0.2g

Note3: P stands for output waveform: LVPECL

Note4: A capacitor of value 0.1μ F or higher between Vdd and GND is required.

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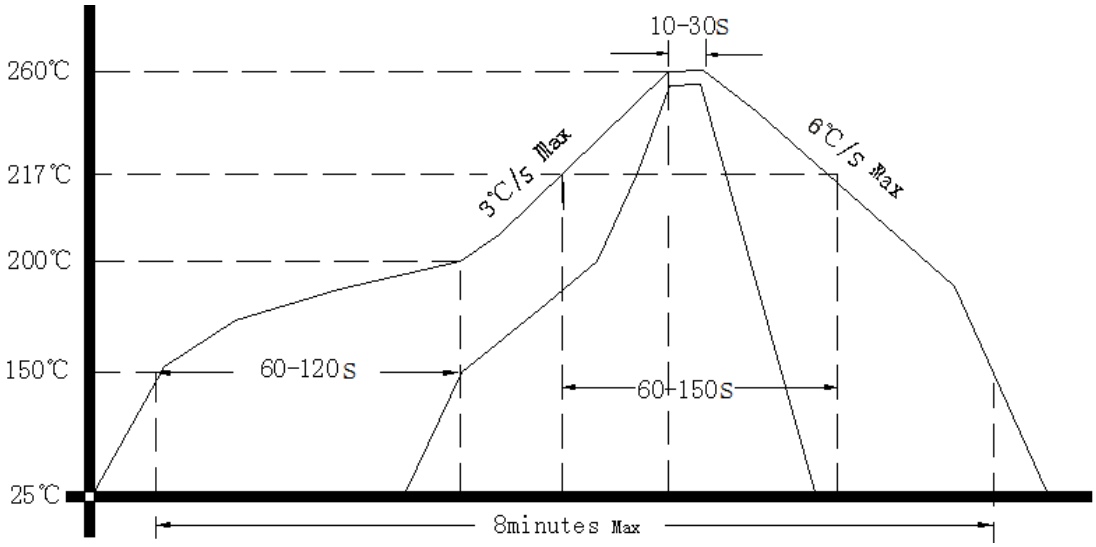
3、Reflow Soldering Curve (RoHS)



4、Package: Tape & Reel (mm)