

Customer Code :

DATASHEET

DAPU P/N: DPB32100M0000ACB0

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Jack	David	William	
Date: 2023.03.03			

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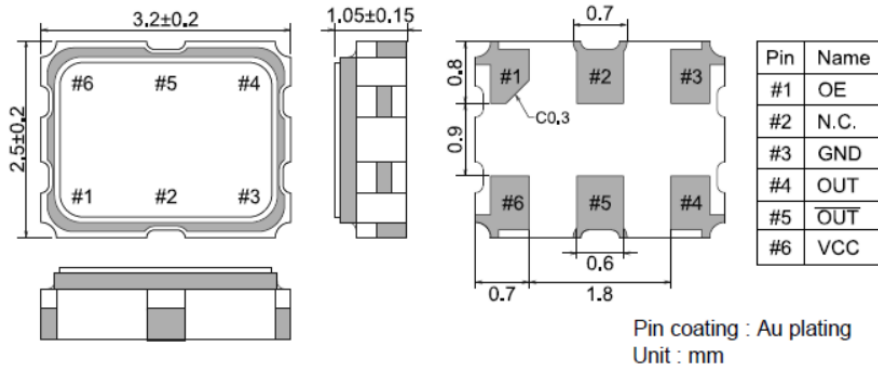
1、Electrical Paramete

MODEL: DPB32100M0000ACB0							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	100.00			MHz	
2	Supply Voltage	Vdd	2.97	3.3	3.63	V	
3	Frequency Stability		-25		+25	$\times 10^{-6}$	includes initial frequency tolerance, frequency temperature coefficient, frequency voltage coefficient, Output load ,1 year aging.
4	Operating Temperature	T-opr	-40	~	+85	$^{\circ}\text{C}$	
5	Storage Temperature	T-stg	-55	~	+125	$^{\circ}\text{C}$	
6	Current Consumption	Idd	-		60	mA	
7	Output load condition		50			Ω	Terminated to Vdd-2 V
8	Again		-5		+5	$\times 10^{-6}$	At 25 $^{\circ}\text{C}$, 3.3 V, First year
9	Start up time				3	ms	
Enable Feature							
10	“H”Input Voltage	VIH	Vdd*0.7			V	
11	“L”Input Voltage	VIL			Vdd*0.3	V	
12	E/D(#1 pin E/D)	Logic “1”or Floating input,Outputs enable; Logic “0” ,Outputs disable					
Output LVPECL							
13	“H”Onput Voltage	VOH	Vcc-1.0		Vcc-0.8	V	
14	“L”Onput Voltage	VOL	Vcc-1.78		Vcc-1.62	V	
15	Duty Cycle	DC	45		55	%	
16	Rise time				350	ps	20 % ~ 80 % of (VOH-VOL)
17	Fall time				350	ps	80 % ~ 20 % of (VOH-VOL)
18	SSB Phase Noise @25 \pm 2 $^{\circ}\text{C}$				-105	dBc	100Hz
					-133	dBc	1KHz
					-147	dBc	10KHz
					-154	dBc	100KHz
19	RMS Jitter				350	fs	10kHz to 20MHz

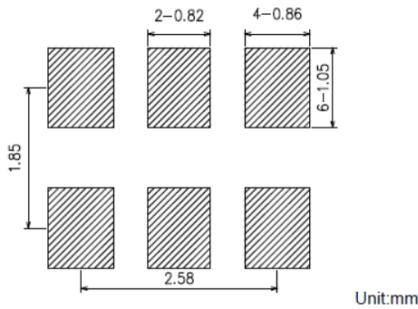


2、Mechanical Structure

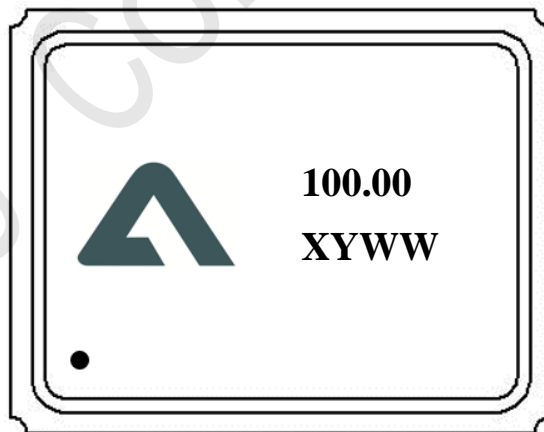
2.1 Dimensions



•Soldering pattern



2.2 Marking



----- DAPU LOGO

100.00 ----- Frequency

XYWW ----- Manufactured day: X Y WW
internal code Year week

● ----- Pin 1