Customer Code :_____

DATASHEET

DAPU P/N: **DPBA10000004**

Plot			The Label
Drew	Audited	Approved	
Amway.wei	Carry.Wang	James.Liu	
Date: 2019.10.15			Stamp, please! Thanks!

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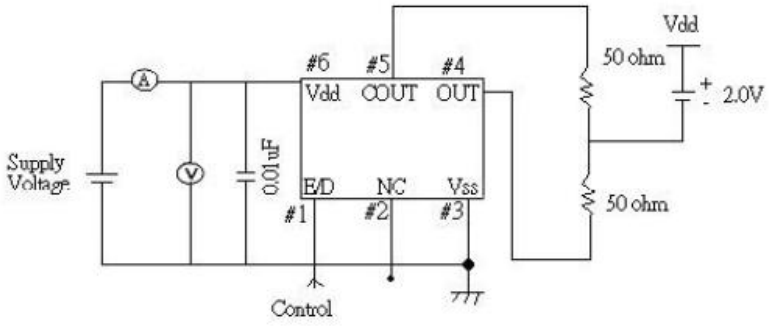
、Electrical Parameters

MODEL：DPBA10000004							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL		100.00		MHz	
2	Output Waveform			LVPECL			
3	Supply Voltage		3.135	3.3	3.465	V	
4	Frequency Stability	F-stab	-50		+50	$\times 10^{-6}$	Inclusive of initial tolerance, operating temperature, rated power supply voltage, and load variations
5	Operating Temperature	T-opr	-40	~	+85	℃	
6	Storage Temperature	T-stg	-55	~	+125	℃	
7	Aging(year)		-3		+3	$\times 10^{-6}$	
8	Current Consumption	Idd	-		80	mA	
9	Output Load				50	Ω	VDD-2.0V
10	Rise/Fall Time	Tr、Tf			1	ns	20%~80% output swing level
11	Duty Cycle	DC	45		55	%	
12	Output Voltage High	VOH	2.275			V	
13	Output Voltage Low	VOL			1.680	V	
14	Start up Time	T_start	-		10	ms	
15	Phase Jitter RMS				1	ps	12KHz-40MHz
16	Phase Jitter RMS		-		0.17	ps	10KHz-1MHz
17	Shock		Free Drop from 75cm height on a hard wood board for 3 time.				
	Vibration		10~55Hz 1.5mm p-p 1~2min/CICLE,X,Y,Z 2H for each plane				
	Aging		85℃±3℃ 720H(No BIAS)				
	High Humidity		40℃±2℃ X 90%-95% 96H(No BIAS)				
	Temperature Cycle		-40℃~85℃,30min X 10 Cycle				
	Solderability		MIL-STD-202,Method 208				

2、Test Circuit



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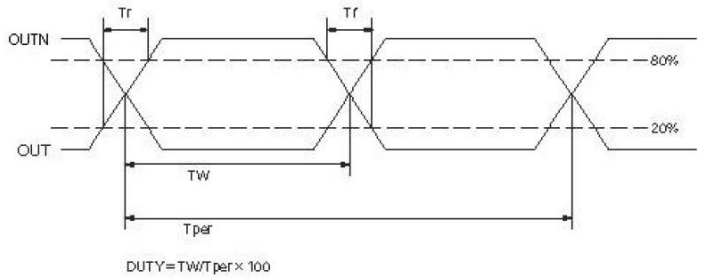
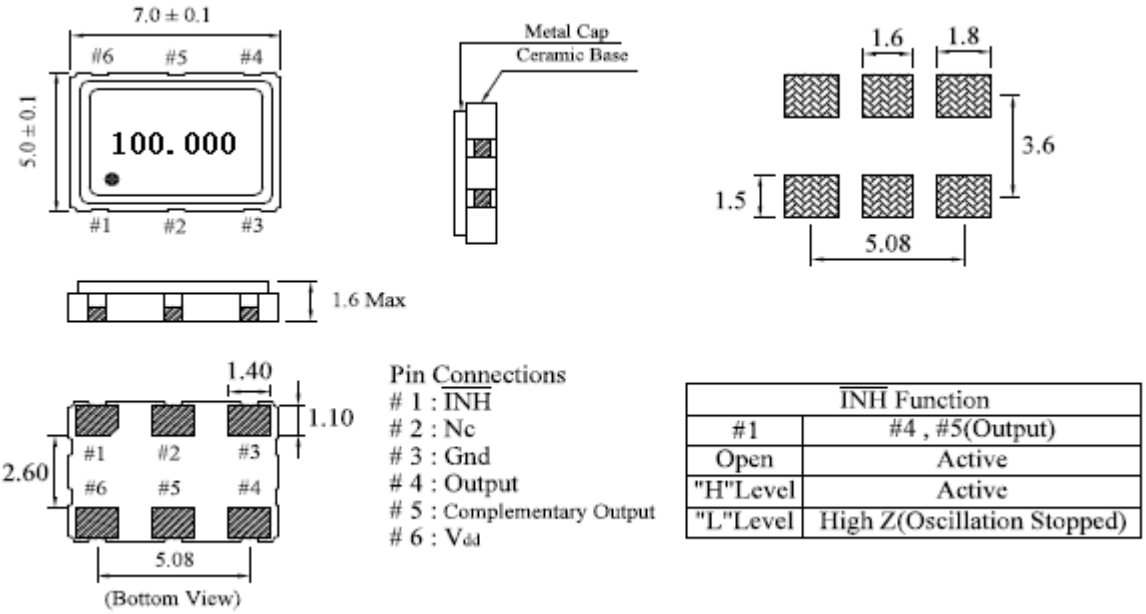
3、Output Waveform



4、Mechanical Structure(mm)



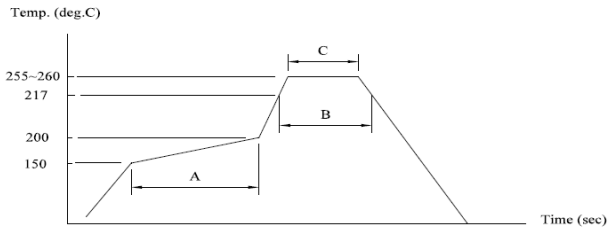
Pin Connections
1 : $\overline{INH}$
2 : Nc
3 : Gnd
4 : Output
5 : Complementary Output
6 : V_{dd}

$\overline{INH}$ Function	
#1	#4 , #5(Output)
Open	Active
"H"Level	Active
"L"Level	High Z(Oscillation Stopped)

unit: mm

Note1: Tolerance±0.2mm without mark

5、Reflow Soldering Curve (RoHS)



(A)→Preheating area : 150~200°C, 60~120sec.
(B)→Heating area : 217°C, 60~150sec.
(C)→Peak temperature : 255~260°C, 30sec. Max.
Ramp-up rate (217→260°C) : 3°C/sec. Max.
Ramp-down rate (260→217°C) : 6°C/sec. Max.
Time 25°C→260°C : 480sec. Max.
*Referance JEDEC J-STD-020

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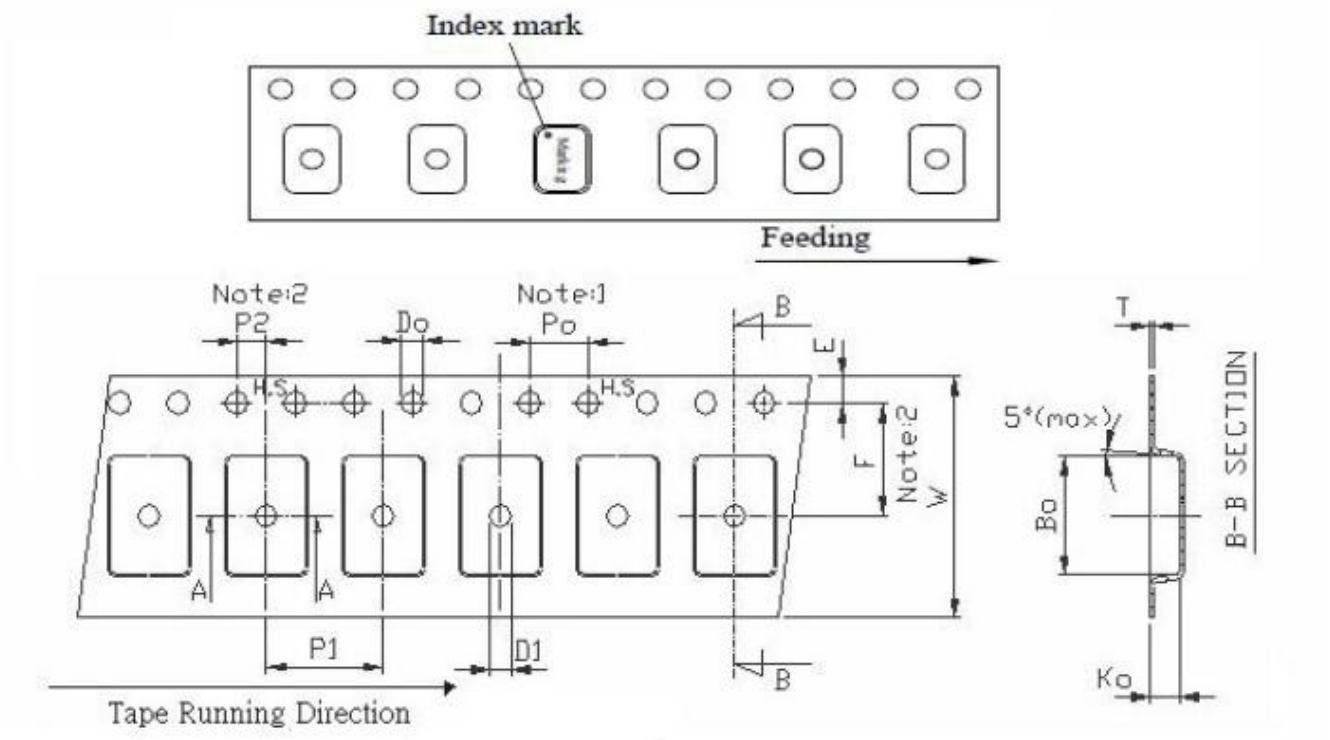
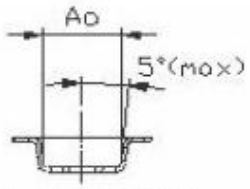
6、Package: Tape & Reel (mm)





Ao= 5.40±0.10 mm

Bo= 7.40±0.10 mm

Ko= 1.90±0.10 mm

Unit: mm

Symbol	Spec.
K1	–
Po	4.00± 0.10
P1	8.00± 0.10
P2	2.00± 0.10
Do	$1.50^{+0.1}_{0}$
D1	1.50(min)
E	1.75± 0.10
F	7.50± 0.10
10Po	40.0±0.10
W	16.0± 0.30
T	0.30± 0.05

Notice:

1. 10 Sprocket hole pitch cumulative tolerance is ±0.10 mm
2. Pocket position relative to sprocket hole measured as true position of pocket not pocket hole.
3. Ao & Bo measured on a place 0.3mm above the bottom of the pocket to top surface of the carrier.
4. Ko measured from a plane on the inside bottom of the pocket to the top surface of the carrier.
5. Carrier camber shall be not than 1mm per 100mm through a length of 250mm.