

Customer Code : \_\_\_\_\_

# DATASHEET

DAPU P/N: DPBA64450001

\_\_\_\_\_

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2019.10.17			

## Guangdong Dapu Telecom Technology Co.,Ltd

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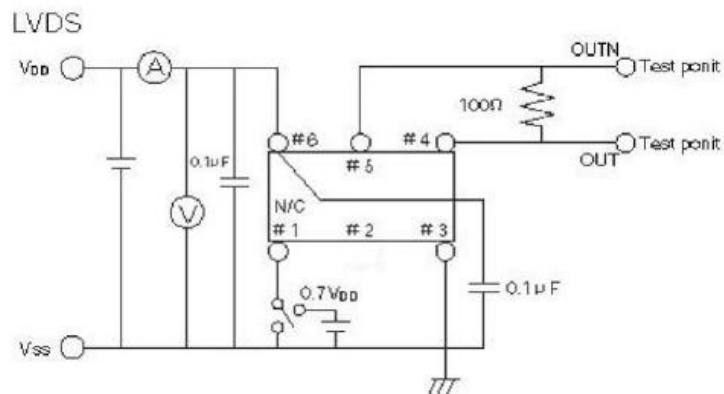
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## 、 Electrical Parameters

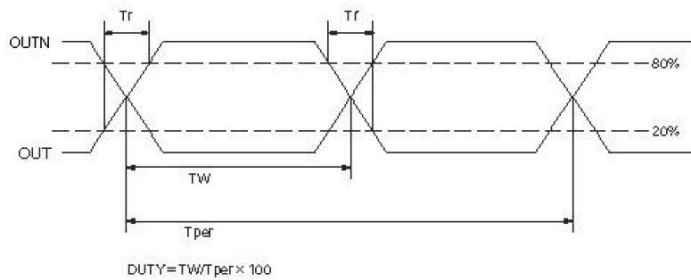
MODEL: DPBA64450001							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	644.500			MHz	
2	Output Waveform		LVDS				
4	Supply Voltage		3.135	3.3	3.465	V	
5	Frequency Tolerance		-25		+25	$\times 10^{-6}$	@25°C
6	Frequency Stability	F-stab	-25		+25	$\times 10^{-6}$	-40~85°C
7	Operating Temperature	T-opr	-40	~	+85	°C	
8	Storage Temperature	T-stg	-55	~	+125	°C	
10	Aging(year)		-3		+3	$\times 10^{-6}$	
11	Current Consumption	I <sub>dd</sub>	-		50	mA	
13	Output Load		100			Ω	
14	Rise/Fall Time	Tr、Tf			1	ns	20%~80% output swing level
17	Duty Cycle	DC	45		55	%	
18	Output Voltage High	VOH			1.6	V	
19	Output Voltage Low	VOL	0.9			V	
20	Shock	Free Drop from 50cm 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°C ± 3°C 720H(No BIAS)					
	High Humidity	40°C ± 2°C X 90%-95% 96H(No BIAS)					
	Temperature Cycle	-40°C~85°C,30min X 10 Cycle					
	Solderability	MIL-STD-202,Method 208					

## 2、 Test Circuit

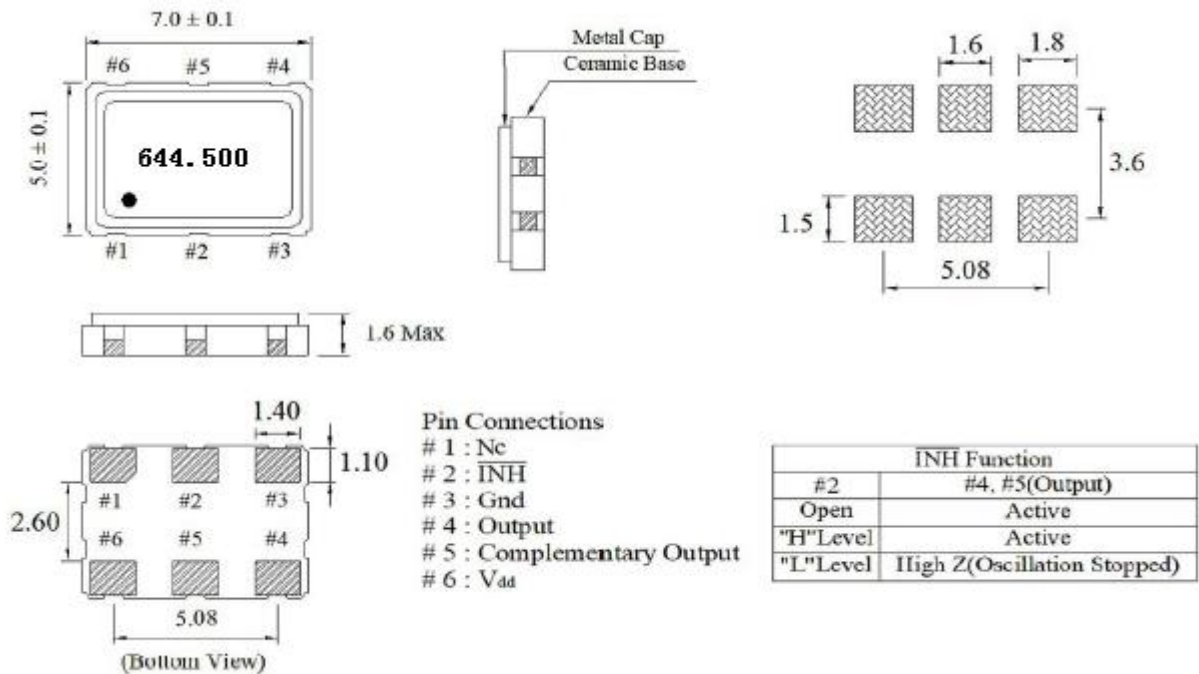




### 3、 Output Waveform

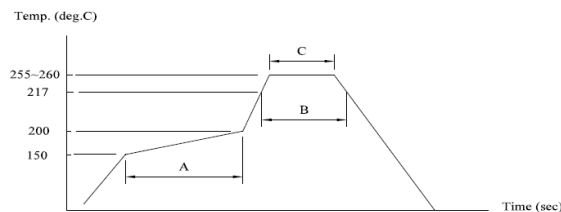


### 4、 Mechanical Structure(mm)



Note1:Tolerance ±0.2mm without mark

### 5、 Reflow Soldering Curve (RoHS)

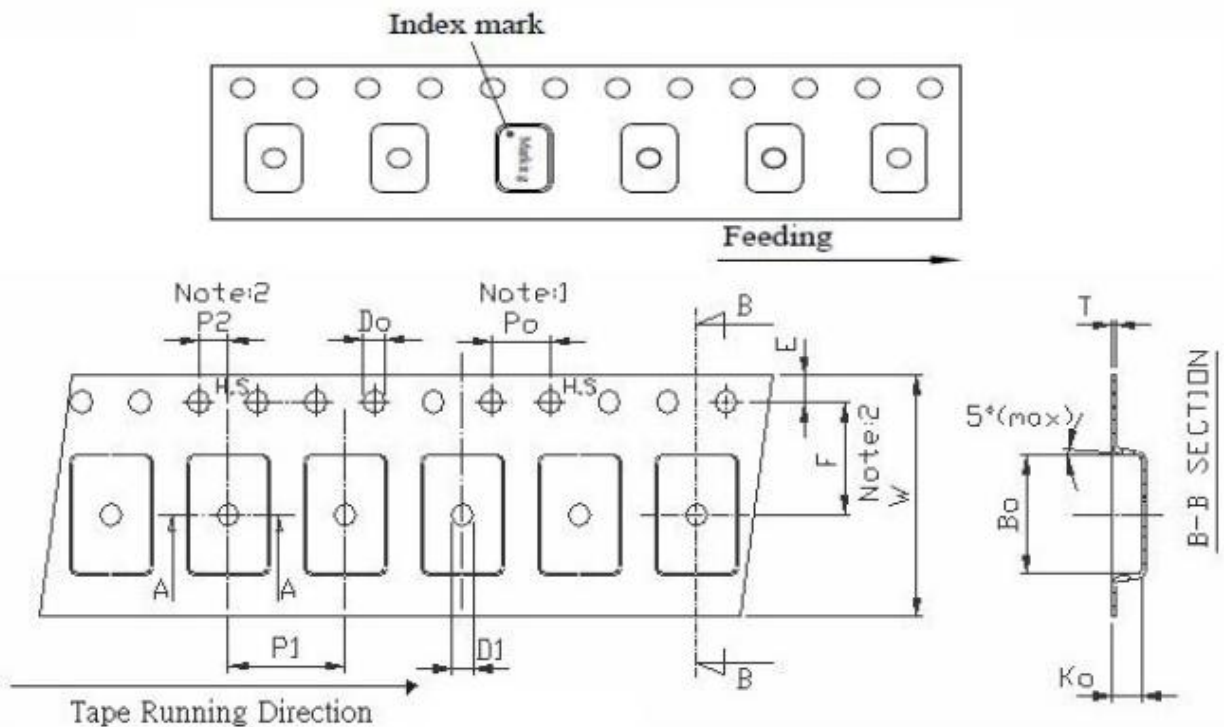


(A)→Preheating area : 150~200°C, 60~120sec.  
 (B)→Heating area : 217°C, 60~150sec.  
 (C)→Peak temperature : 255~260°C, 30sec. Max.  
 Ramp-up rate (217~260°C) : 3°C/sec. Max.  
 Ramp-down rate (260~217°C) : 6°C/sec. Max.  
 Time 25°C→260°C : 480sec. Max.

\*Reference JEDEC J-STD-020

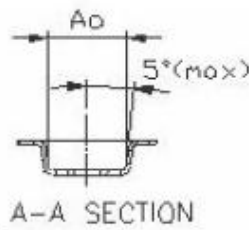


### 6、 Package: Tape & Reel (mm)



Unit: mm

Symbol	Spec.
K1	-
Po	4.00±0.10
P1	8.00±0.10
P2	2.00±0.10
Do	1.50 <sup>+0.1</sup> <sub>0</sub>
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



$$A_o = \underline{5.40 \pm 0.10} \text{ mm}$$

$$B_o = \underline{7.40 \pm 0.10} \text{ mm}$$

$$K_o = \underline{1.90 \pm 0.10} \text{ mm}$$

- Notice:
1. 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 plane 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.