

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

# DATASHEET

Standard: DPBA12500010

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2017.09.28			

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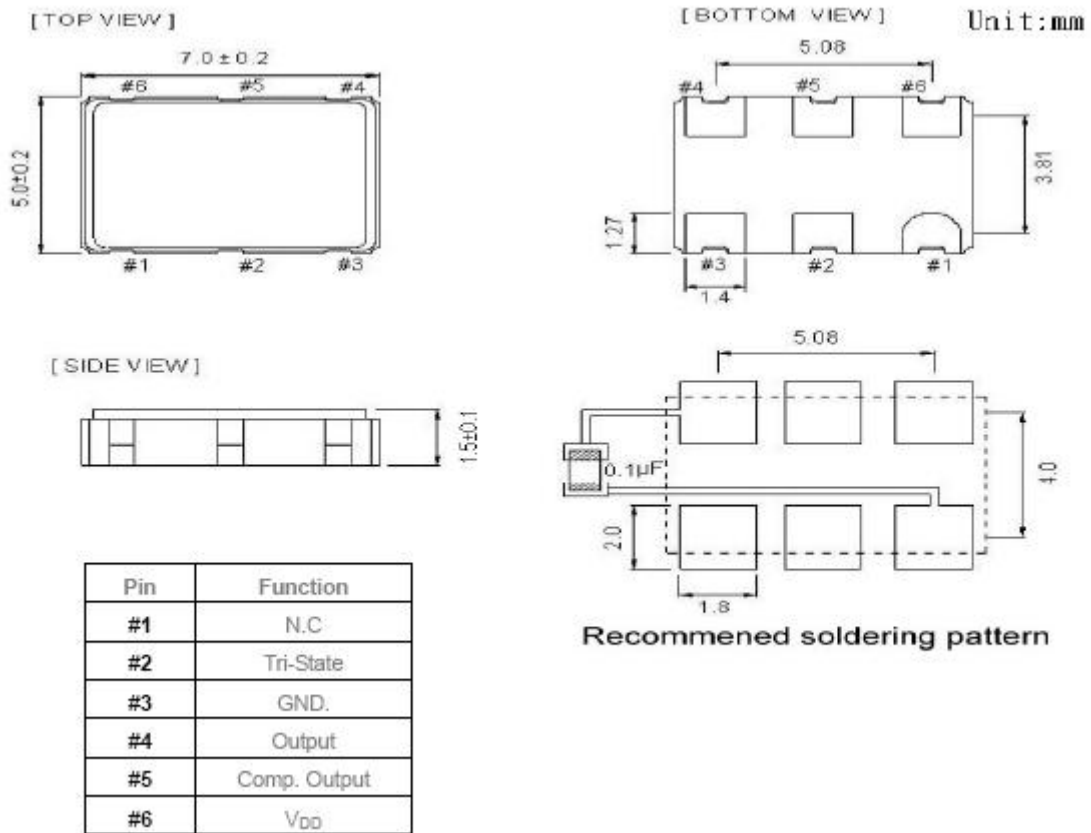


## 1、 Electrical Parameters

MODEL: DPBA12500010							
No.	Parameters	SYM	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	125.00			MHz	
2	Output Waveform	-	LVPECL				
3	Supply Voltage	Vcc	3.13	3.3	3.47	V	
4	Rise/Fall Time	-	-	-	1.0	nS	@25°C
5	Output Load	-	50Ω-2V			-	
6	Frequency Stability	-	-25	~	+25	× 10 <sup>-6</sup>	Include Freq. Tolerance, Temp.,Supply voltage, Load.
7	Operating Temperature Range	-	-40	~	+85	°C	
8	Storage Temperature	-	-55	~	+125	°C	
9	Tri-state( Output Active)		2.31 or Floatin	-	-	V	Pin 2 Tri-state Enable High
10	Tri-state( Output in High-Impedance state)		-	-	0.99	V	
11	Current Consumption	-	-	-	75	mA	
12	Output Level Logic 1	Voh	2.275	-	-	V	
13	Output Level Logic 0	Vol	-	-	1.68	V	
14	Duty Cycle	-	45	50	55	%	
15	Start Time	-	-	-	3.0	mS	
16	Aging	-	-3	~	+3	× 10 <sup>-6</sup>	Frequency drift in first year
17	jitter				0.7	ps	(12KHz to 20MHz)
18	Phase noise				-90	dBc/ Hz	100Hz
					-120	dBc/ Hz	1KHz
					-130	dBc/ Hz	10KHz
					-140	dBc/ Hz	100 KHz
19	Thermal Shock	-55°C, 125°C; soak time is 10 mins, with total 200 cycles					
20	Vibration	Test Condition: 10~2000Hz, 1.52mm, 20g, each axis for 4 hrs					
21	Mechanical Shock	1500g, half-sine, 0.5ms, each axis for 3 times.					

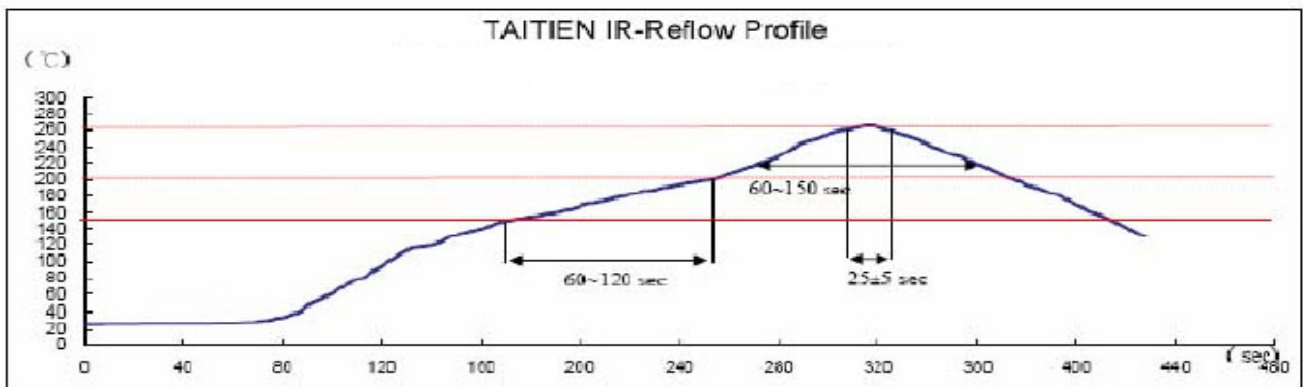


## 2. Mechanical Structure(mm)



Note1: Tolerance ±0.2mm

## 3. Recommended Ir Reflow Profile



IR-Reflow Test

Reference Standard : JEDEC-STD 020

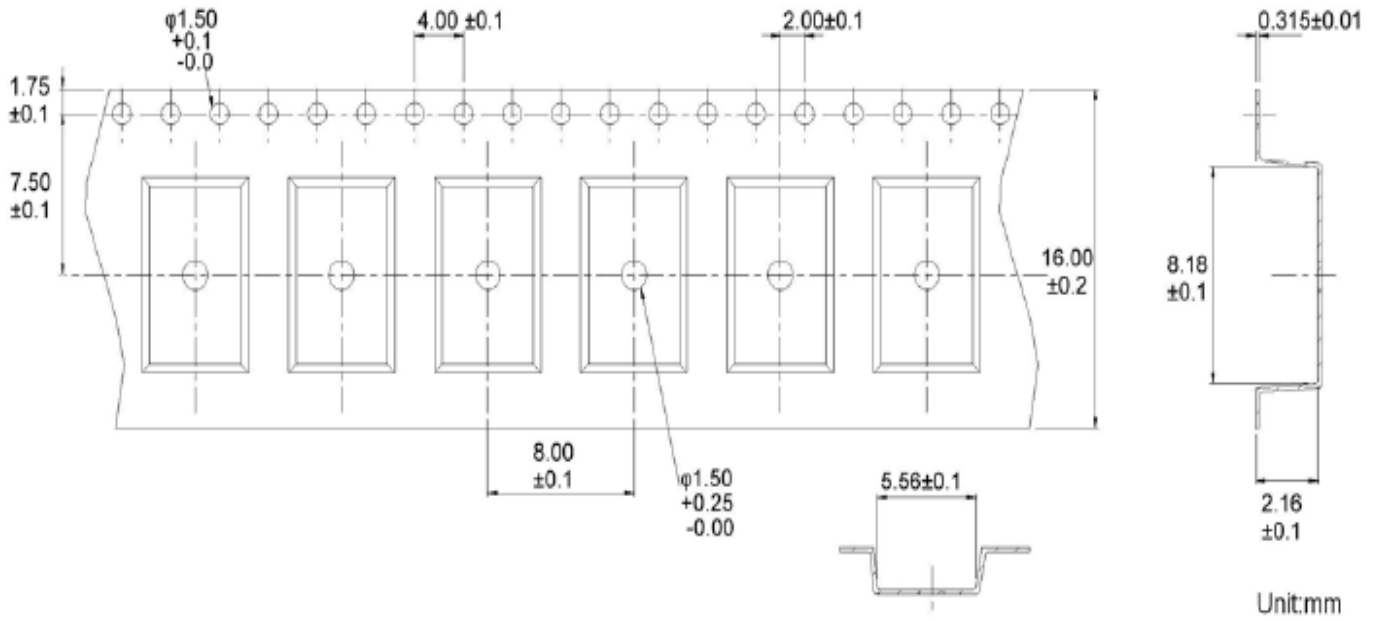
Test Conditions: Pre-heating : 150°C to 200 °C, 60~120 sec

Heating : 217 °C , 60~150 sec

Peak Temperature : 260±5 °C, 25±5 sec



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



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