

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

# DATASHEET

DAPU P/N: **DP7X2500012**  
 \_\_\_\_\_  
 \_\_\_\_\_

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2016.08.29			

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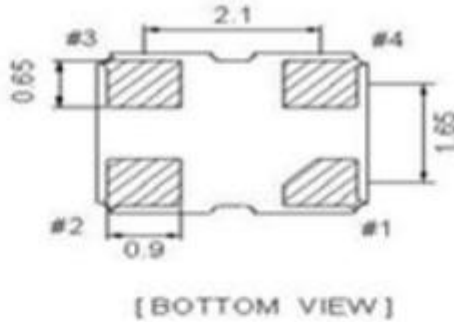
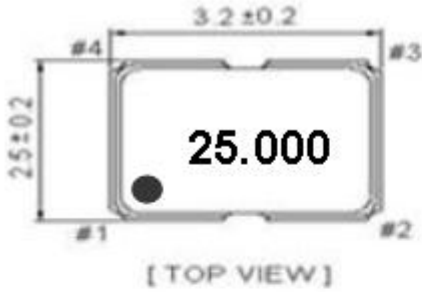


## 1、Electrical Parameters

MODEL: DP7X25000012							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	25.00			MHz	
2	Output Waveform		CMOS				
3	Symmetry	-	45	50	55	%	
4	Frequency Stability	-	-10		+10	$\times 10^{-6}$	@25 °C
			-50		+50	$\times 10^{-6}$	-40 °C -105 °C
5	Operating Temperature	Topr	-40	~	+105	°C	
6	Storage Temperature	Tstg	-55	~	+125	°C	
7	Supply Voltage	VDD	3.15	3.3	3.45	V	
8	Input Current	Icc	-	-	20	mA	
9	Start-up Time	Tosc			5	ms	
10	Output Load	CL	15			pF	
11	Output Voltage High	VoH	90%Vdd	-	-	V	
12	Output Voltage Low	Vol	-	-	10%Vdd	V	
13	Aging	-	$\pm 3$			ppm	Frequency drift in first year
14	Rise Time	Tr	-	-	5	ns	
15	Fall Time	Tf	-	-	5	ns	
16	Tri-State	Output Active	0.7Vdd			V	Pin 1 Tri-State
17		Output in High-Impedance state			0.3Vdd	V	
18	Vibration Test	MIL-STD-883 2007 Condition A			10~2000Hz, 1.52mm, 20g, each axis for 4 hrs		
		JESD22-B103 Condition 1					
19	Thermal Shock	MIL-STD-883 1010 Condition B			-55°C, 125°C; soak time is 10 mins, with total 200 cycles		
		JESD22-A104 Condition B					
20	Mechanical Shock	MIL-STD-883 2002 Condition B			1500g, half-sine, 0.5ms, each axis for 3 times		
		JESD22-B104 Condition B					

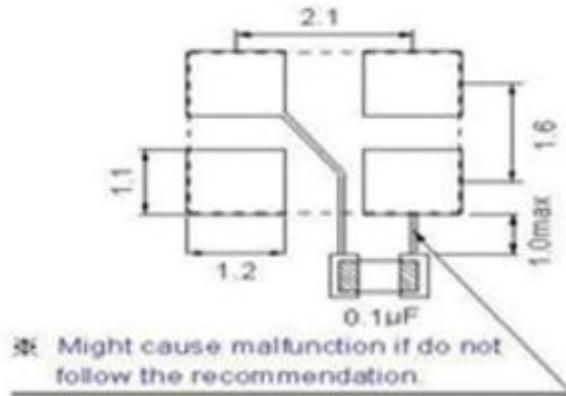


## 2、Mechanical Structure(mm)



### PIN FUNCTIONS

Pin	Function
#1	Tri-State
#2	GND
#3	Output
#4	V <sub>DD</sub>



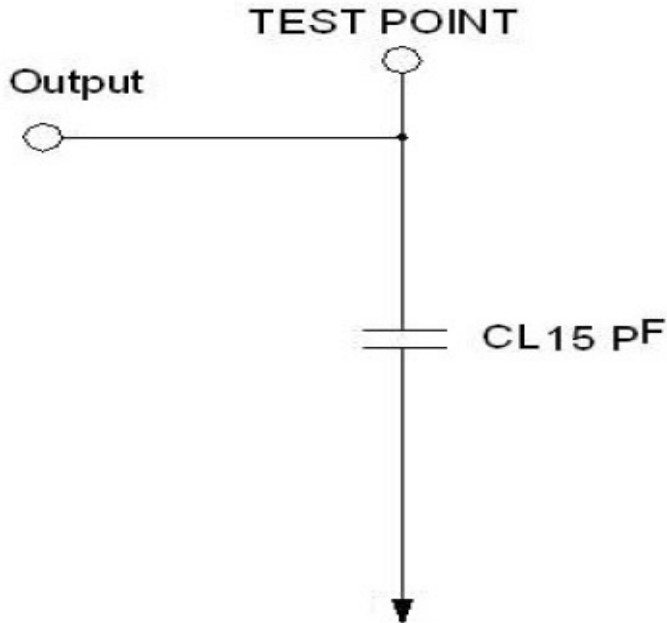
### Recommended soldering pattern

Unit:mm

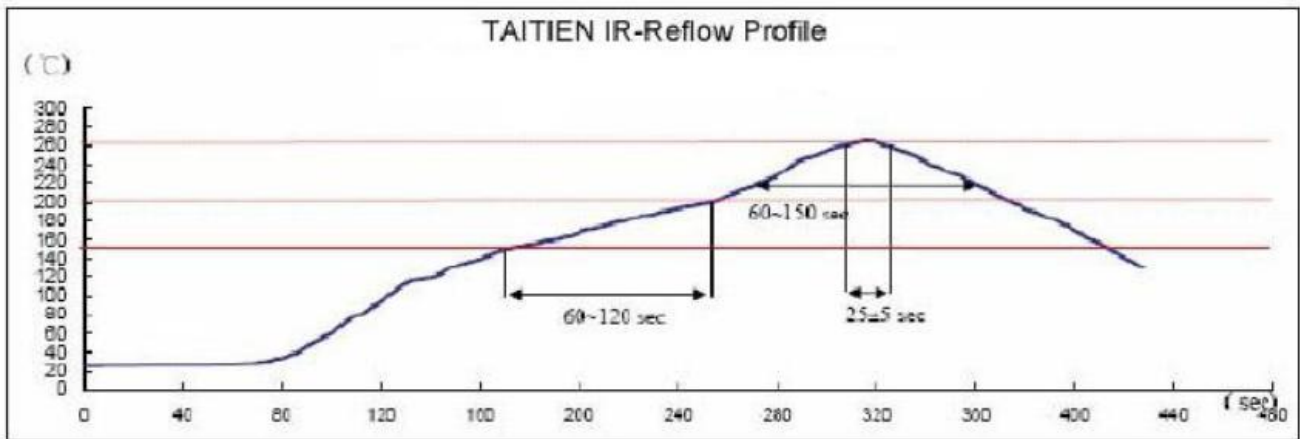
Note1: Tolerance ±0.2mm



### 3、 Test Circuit



### 4、 Recommended In Reflow Profile



IR-Reflow Test

Reference Standard : JEDEC-STD 020

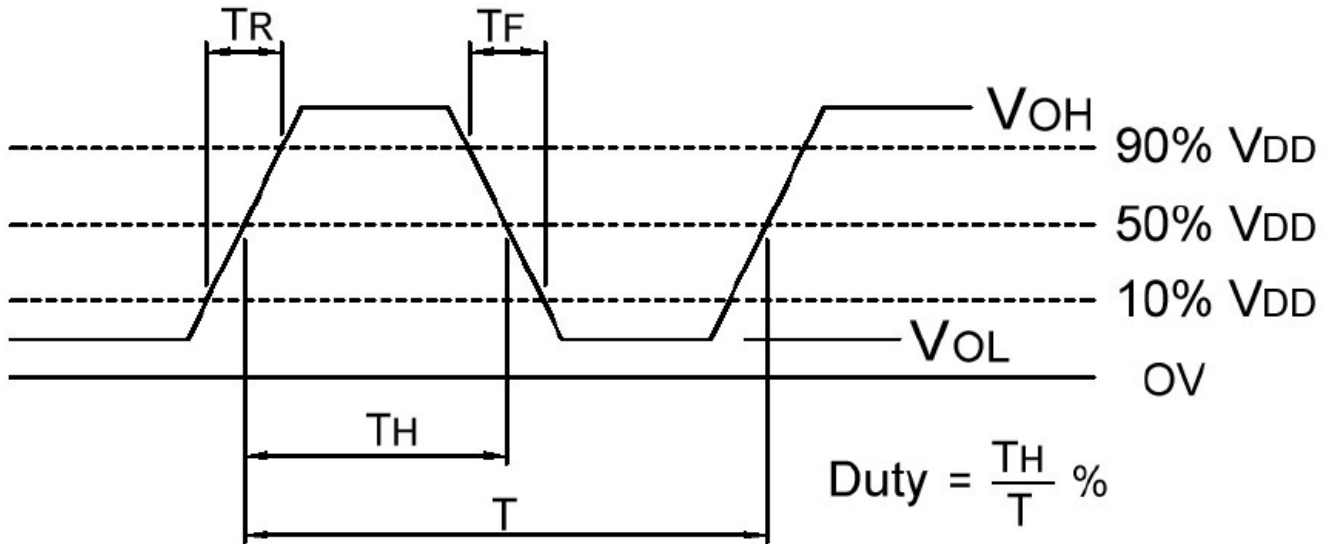
Test Conditions: Pre-heating : 150°C to 200 °C, 60~120 sec

Heating : 217 °C , 60~150 sec

Peak Temperature : 260±5 °C, 25±5 sec



### 5、 Output Waveform



### 6、 Package: Tape & Reel (mm)

