

Customer Code: _____

DATASHEET

DAPU P/N: **DP7X12500006**

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2021.10.20			

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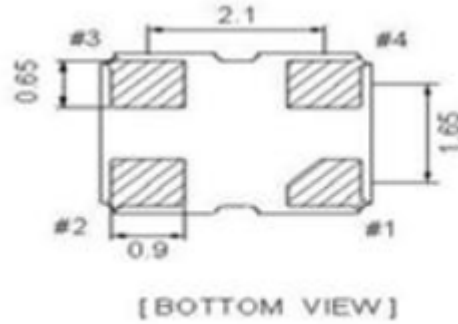
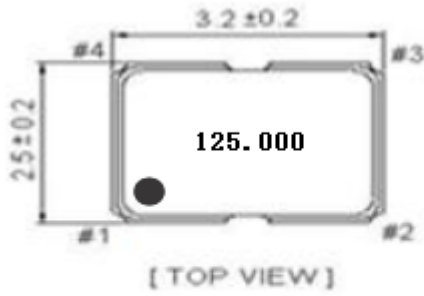


1、Electrical Parameters

MODEL: DP7X12500006							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	125.00			MHz	
2	Output Waveform		CMOS				
3	Output Load	CL			15	pF	
4	Symmetry	-	45	50	55	%	
5	Frequency Stability	-	-20		+20	$\times 10^{-6}$	@25°C
			-45		+45	$\times 10^{-6}$	-40°C -105°C
6	Operating Temperature	Topr	-40	~	+105	°C	
7	Storage Temperature	Tstg	-55	~	+125	°C	
8	Supply Voltage	VDD	2.97	3.3	3.63	V	
9	Input Current	Icc	-	-	30	mA	At maximum supply voltage
10	Start-up Time	Tosc			5	ms	
11	Rise & Fall Time	Tr/ Tf			5	ns	
12	Output Voltage High	VoH	90%Vdd	-	-	V	
13	Output Voltage Low	Vol	-		10%Vdd	V	
15	Aging	-	-3	-	+3	ppm	Frequency drift in first year
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					

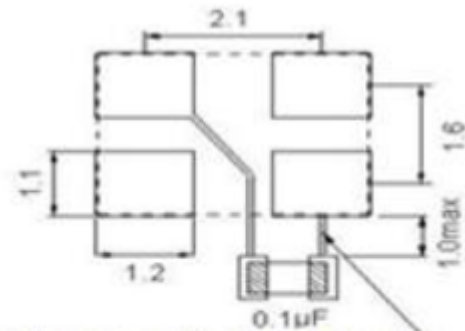


2、Mechanical Structure(mm)



PIN FUNCTIONS

Pin	Function
#1	Tri-State
#2	GND
#3	Output
#4	V _{DD}

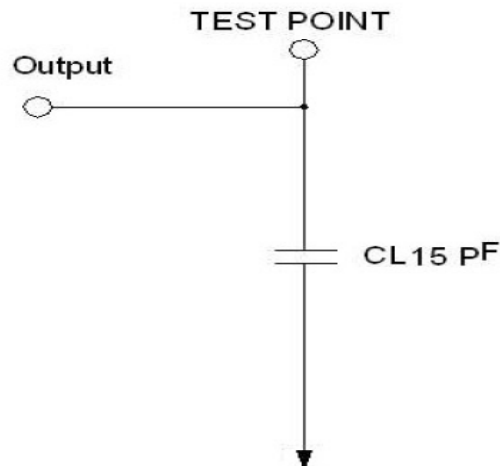


※ Might cause malfunction if do not follow the recommendation.

Recommended soldering pattern

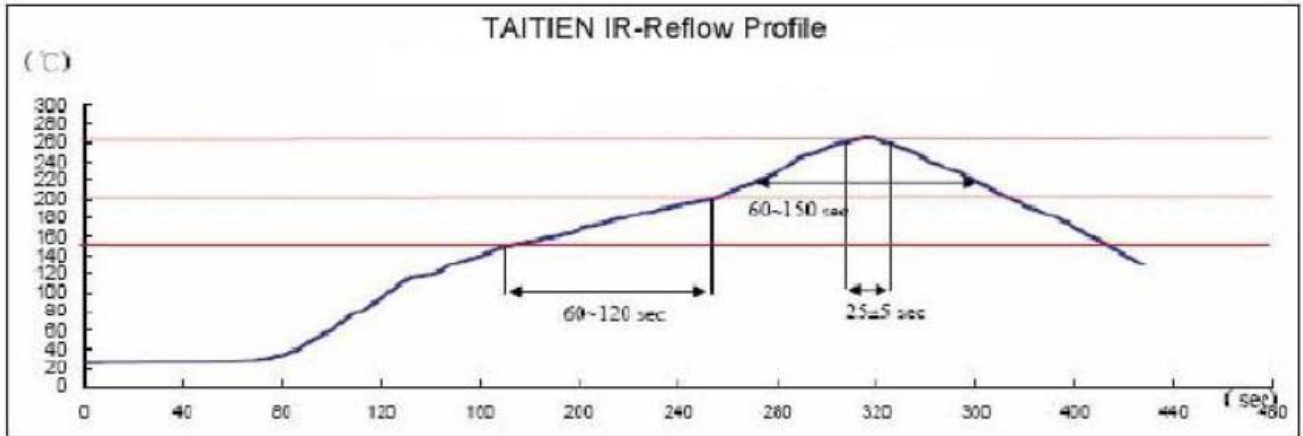
Note1: Tolerance $\pm 0.2\text{mm}$

3、Test Circuit





4、 Recommended In Reflow Profile



IR-Reflow Test

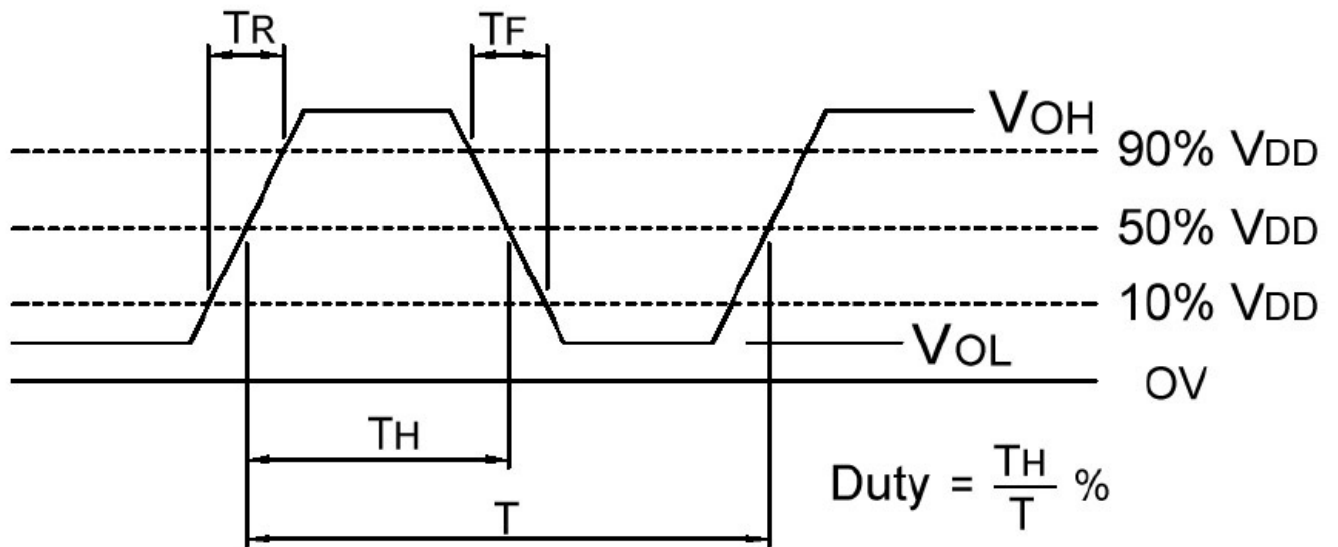
Reference Standard : JEDEC-STD 020

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

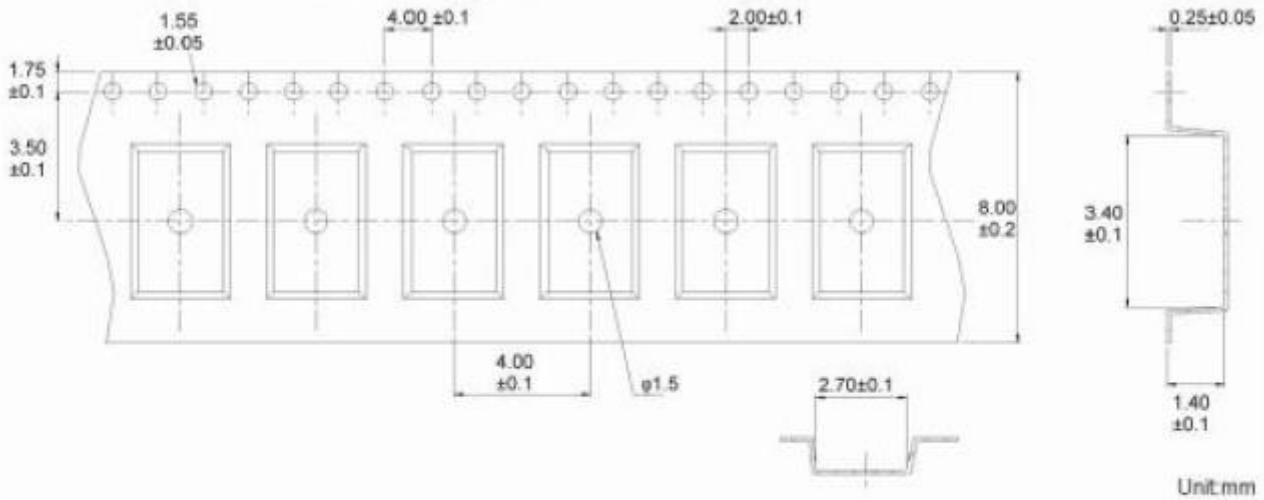
5、 Output Waveform



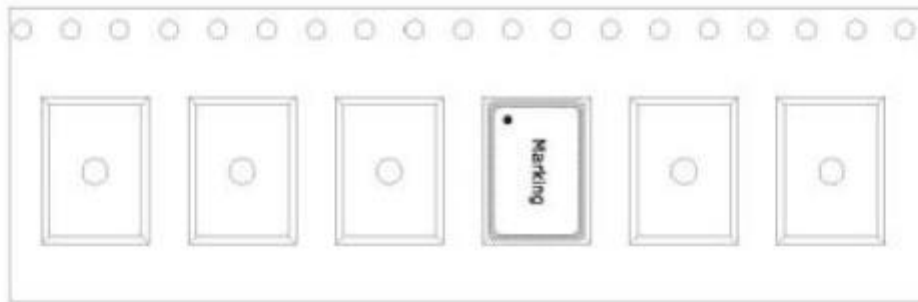


6、 Package: Tape & Reel (mm)

> TAPE (CARRIER) DIMENSIONS



> THE DIRECTION OF PACKING



> REEL DIMENSIONS

