

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

# DATASHEET

DAPU P/N: DP7W73728002

\_\_\_\_\_

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2022.06.27			

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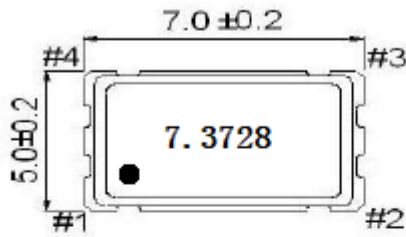
## 1、Electrical Parameters

MODEL: DP7W73728002							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	7.3728			MHz	
2	Output Waveform		CMOS				
3	Output Load				15	pF	
4	Duty Cycle	-	45	50	55	%	
5	Rise Time	Tr	-	-	5	ns	
6	Fall Time	Tf	-	-	5	ns	
7	Start Time	Tosc	-	-	5	ms	
8	Frequency stability		-20		+20	$\times 10^{-6}$	@25°C
			-20		+20	$\times 10^{-6}$	-40°C~85°C
9	Operating Temperature	Topr	-40		+85	°C	The operating temperature range over which the frequency stability is measured
10	Storage Temperature	Tstg	-55		+125	°C	
11	Supply Voltage	VDD	2.97	3.3	3.63	V	
12	Current	Icc			10	mA	At maximum supply voltage
13	Aging	-	-3	-	+3	$\times 10^{-6}/\text{yr.}$	Frequency drift in first year
14	Output Voltage High	VoH	90%Vdd	-	-	V	
15	Output Voltage Low	Vol	-	-	10%Vdd	V	
16	Output Active	VHI	0.7Vdd			V	Pin 1 Tri-state
17	Output in High-Impedance state	VLO			0.3Vdd	V	

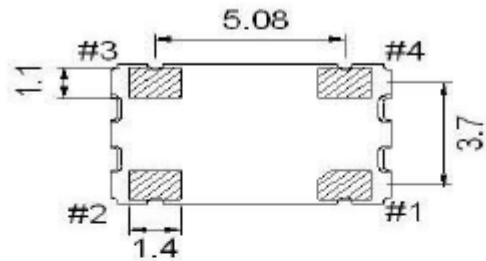


## 2、 Mechanical Structure(mm)

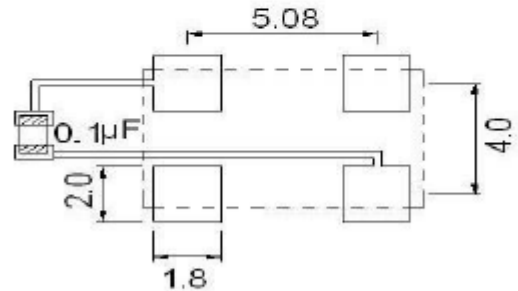
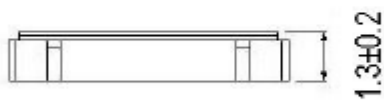
[ TOP VIEW ]



[ BOTTOM VIEW ]



[ SIDE VIEW ]

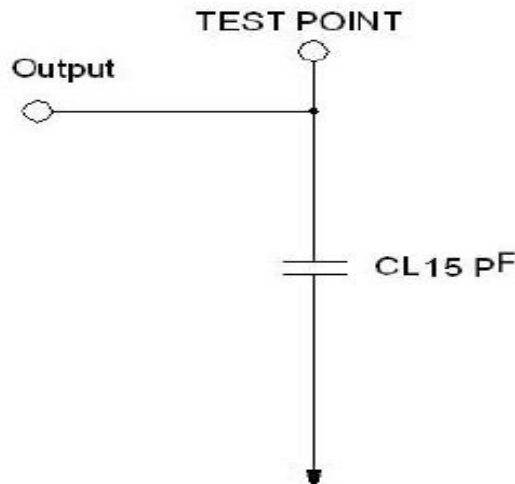


Recommended soldering pattern

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

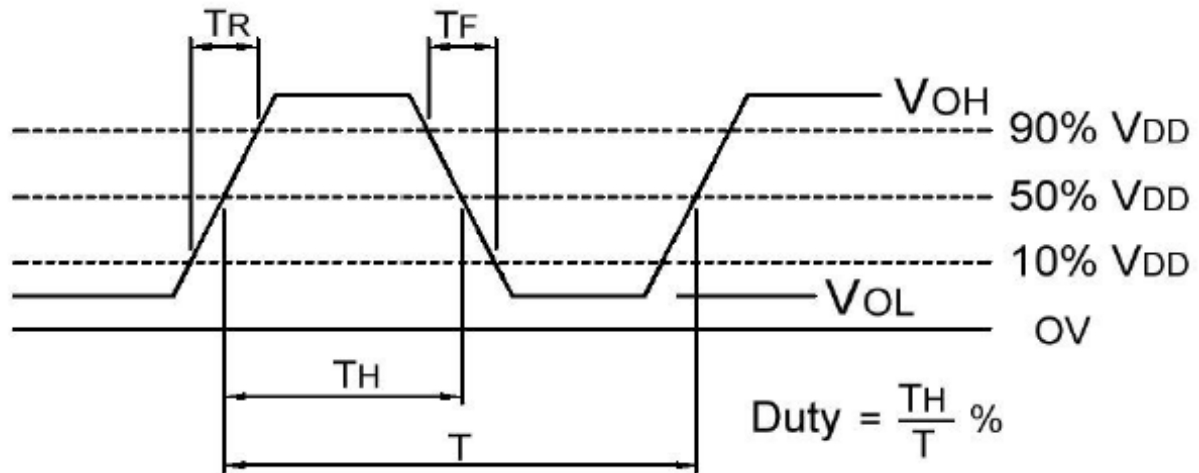
Note1: Tolerance  $\pm 0.2$ mm without mark

## 3、 Test Circuit

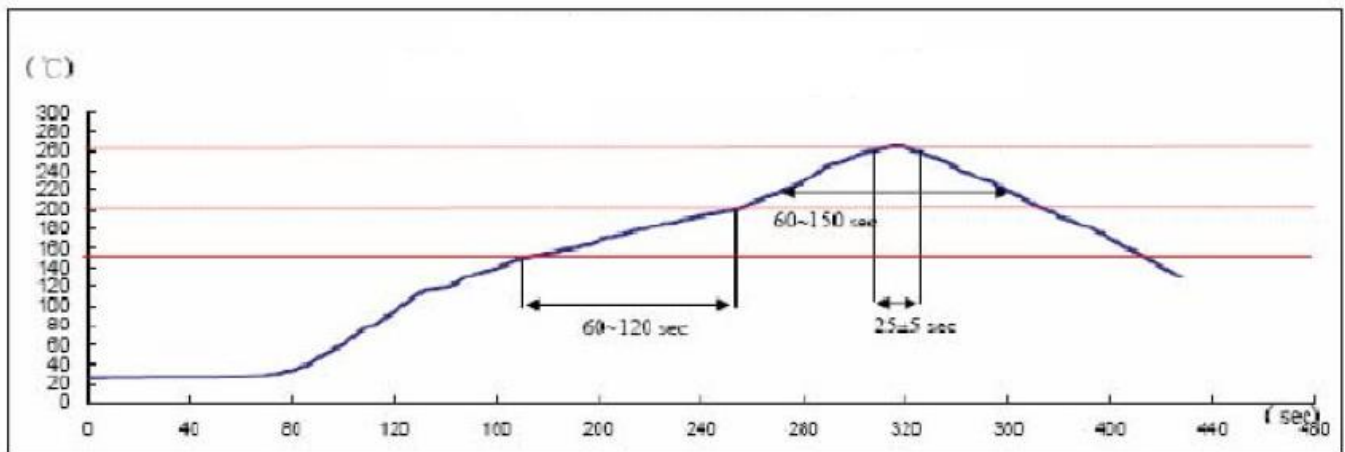




#### 4、 Output Waveform(CMOS Load)



#### 5、 Recommended Ir Reflow Profile



IR-Reflow Test

Reference Standard : JEDEC-STD 020

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

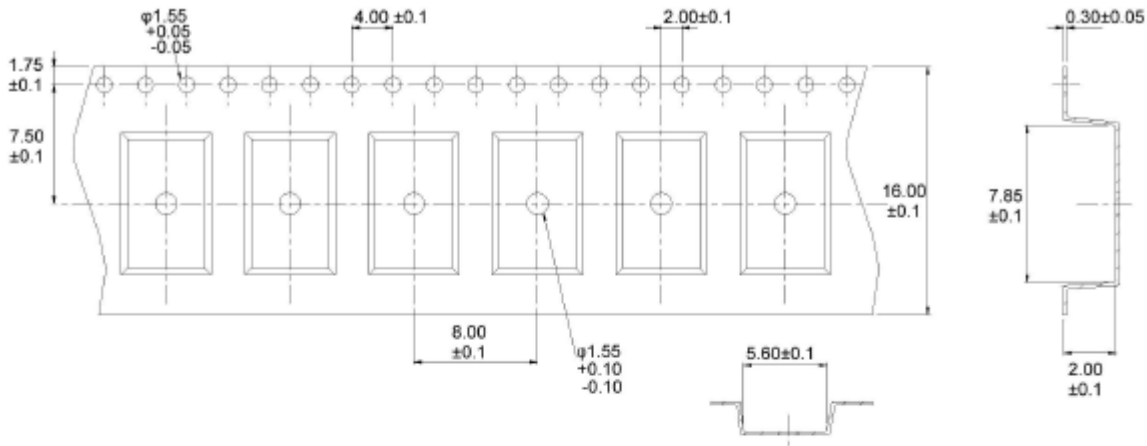
Heating : 217 °C , 60~150 sec

Peak Temperature : 260±5 °C , 25±5 sec

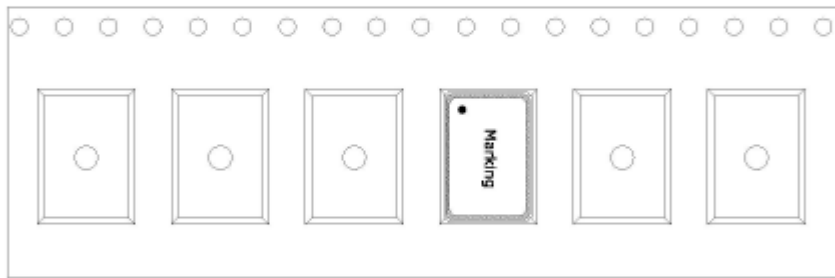


## 6、 Package: Tape & Reel (mm)

### > TAPE (CARRIER) DIMENSIONS



### > THE DIRECTION OF PACKING



### > REEL DIMENSIONS

