

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

# DATASHEET

DAPU P/N: DP7X33333331

\_\_\_\_\_

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2017.01.18			

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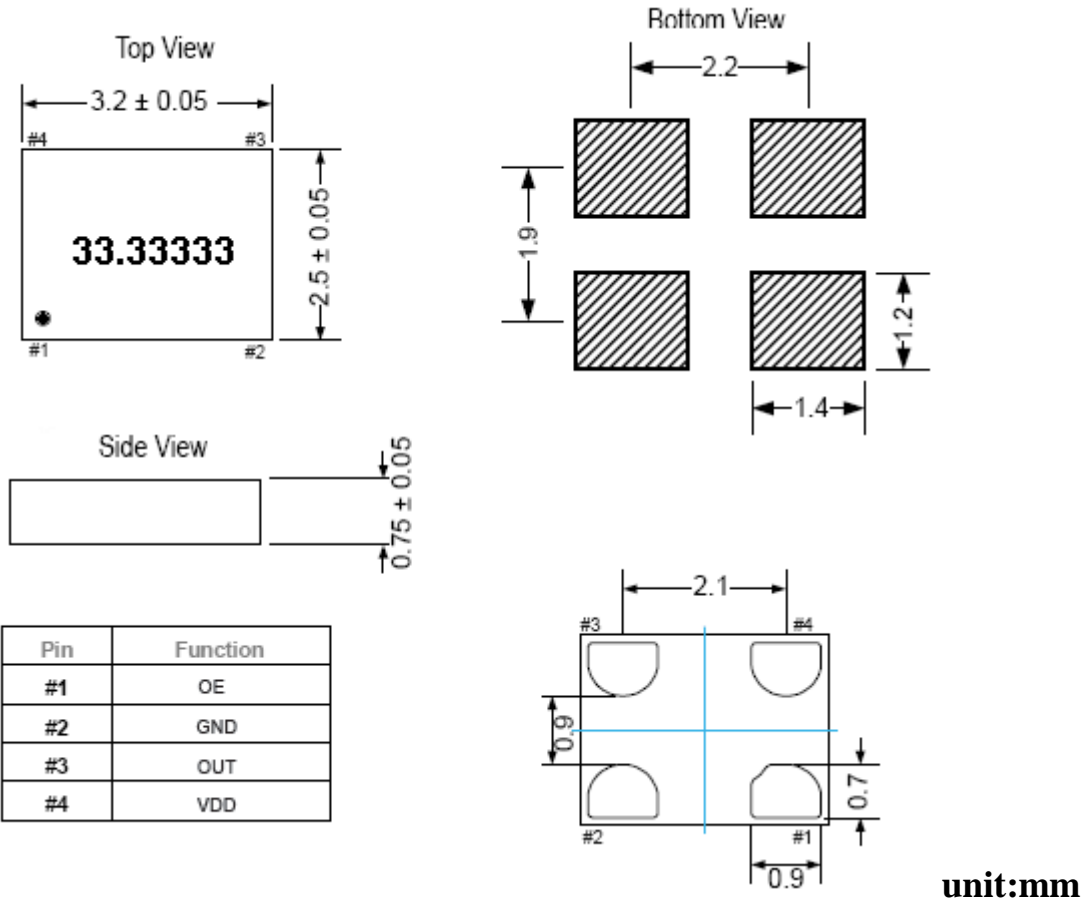


## 1、Electrical Parameters

MODEL: DP7X3333331							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	33.33333			MHz	
2	Output Waveform		LVCMOS				
3	Vdd		-0.5		4	V	
4	Supply Voltage		1.62	1.8	1.98	V	
5	Frequency Stability	F-stab	-50		+50	$\times 10^{-6}$	Inclusive of initial tolerance at 25°C, 1 <sup>st</sup> year aging at 25°C, and variations over operating temperature, rated power supply voltage and load.
6	Operating Temperature	T-opr	-40	~	+85	°C	
7	Storage Temperature	T-stg	-65	~	+150	°C	
8	Current Consumption	Icc	-	3.5	4.1	mA	
9	OE Disable Current	I_OD			4.0	mA	
10	Standby Current	I_std		0.2	1.3	μA	
11	Rise/Full Time	Tr、Tf		1.3	2.5	ns	20%~80%
12	Duty Cycle	DC	45		55	%	
13	Output Voltage High	VOH	90%	-	-	Vdd	
14	Output Voltage Low	VOL	-	-	10%	Vdd	
15	Input Voltage High	VIH	70%	-	-	Vdd	Pin 1,OE
16	Input Voltage Low	VIL	-	-	30%	Vdd	Pin 1,OE
17	Input Pull-up Impedence	Z_in	50	87	150	KΩ	Pin 1, OE logic high or logic low, or ST logic high
18	Start Time	T_start	-	-	5	ms	Measured from the time Vdd reaches its rated minimum value
19	Enable/Disable Time	T_oe	-	-	130	ns	
20	Resume Time	T_resume			5	ms	
21	RMS Period Jitter	T_jitt	-	1.8	3	ps	
22	Peak to Peak Period Jitter	T_pk		14	30	ps	
23	Phase Jitter	T_phj	-	0.5	0.9	ps	900 kHz~7.5 MHz
24	Mechanical Shock		MIL-STD-883F,Method 2002				
	Mechanical Vibration		MIL-STD-883F,Method 2007				
	Temperature Cycle		JESD22, Method A104				
	Solderability		MIL-STD-883F,Method 2003				
	Moisture Sensitivity Level		MSL1 @260°C				



## 2、Mechanical Structure(mm)



**Note1:** Tolerance  $\pm 0.2$ mm without mark

**Note2:** Referential Weight 0.2g



### 3、 Test Circuit And Waveform

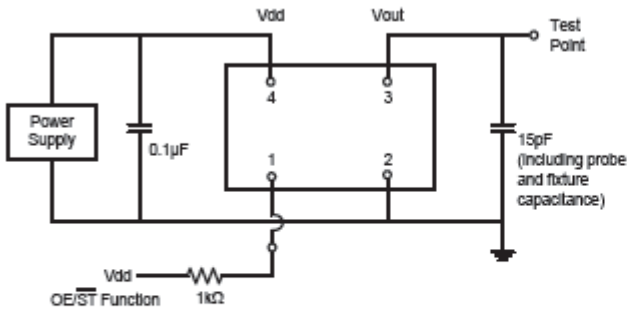


Figure 2. Test Circuit

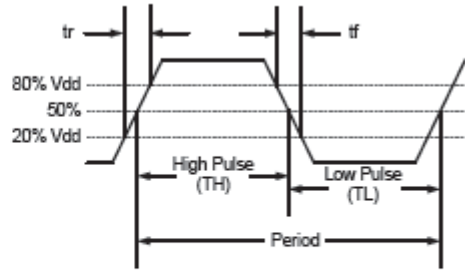
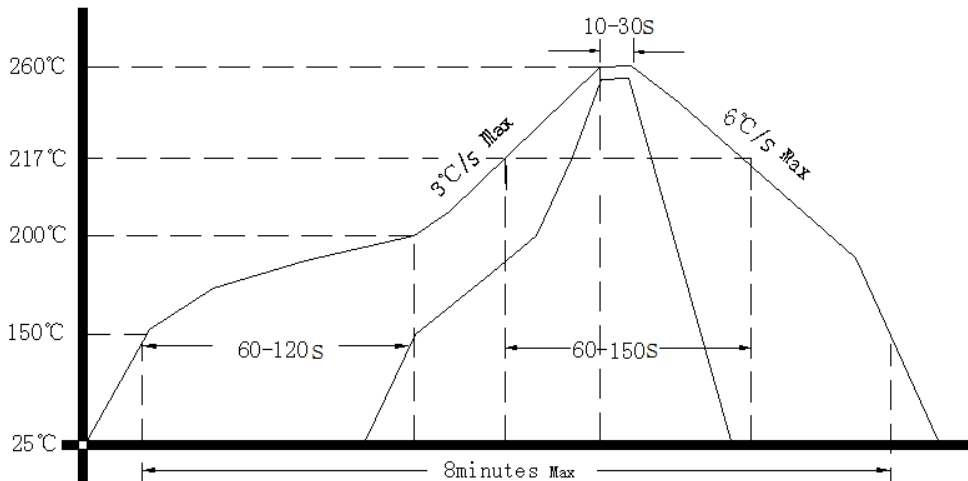


Figure 3. Waveform

Note:

8. Duty Cycle is computed as  $Duty\ Cycle = TH/Period$ .

### 4、 Reflow Soldering Curve (RoHS)



### 5、 Package: Tape & Reel (mm)

