Customer Code:_____

DATASHEET

DAPU P/N: **DP7C27120001**

Y53NNM27120

DAPU			Customer Approval
Drew	Audited	Approved	
Amway.wei	Carry.Wang	James.Liu	
Date: 2016.06.02			Stamp, please! Thanks!

Guangdong Dapu Telecom Technology Co.,Ltd

Bldg16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, China

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1、Electrical Parameters

MODEL：DP7C27120001							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL		27.12		MHz	
2	Output Waveform			CMOS			
3	Frequency Stability		-20		+20	$\times 10^{-6}$	Incl. 25℃ tolerance, tolerance over operating temperature range, input voltage change, load change, 1 year aging
4	Operating Temperature	Topr	-40		+85	℃	
5	Supply Voltage	VDD		3.3±10%		V	
6	Input Voltage High	VIH	0.7Vdd			V	
7	Input Voltage Low	VIL			0.3Vdd	V	
8	Input Pull-up Impedenc	Z_in	87		100	KΩ	Pin 1,OE logic high or logic low
9	Current Consumption	Idd		3.8	4.5	mA	
10	OE Disable current	I-OD			4	mA	
11	Standby current	I-std	2.6		4.3	μ A	Vdd=3.3V
12	Start-up Time	T-Start			5	ms	
13	Aging		-3		+3	$\times 10^{-6}$/year	1st. Year at 25℃
14	Output Voltage High	VoH	0.9Vdd			V	
15	Output Voltage Low	Vol			0.1Vdd	V	
16	Enable/Disable Time	T_oe			130		ns
17	Duty Cycle	DC	45		55	%	All Adds
18	Resume Time	T_resume			5		ms
19	Rise / Fall Time	Tr/ Tf		1	2	ns	20%-80%
20	Phase Jitter	T-jitt		1.76	3	ps	Vdd=3.3V
21	Mechanical	MIL-STD-883F, Method 2002					
22	Mechanical	MIL-STD-883F, Method 2007					
23	Temperature	JESD22, Method A104					
24	Solderability	MIL-STD-883F, Method 2003					
25	Moisture	MSL1 @ 260℃					

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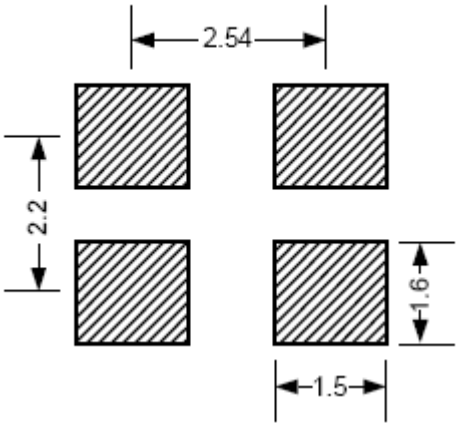
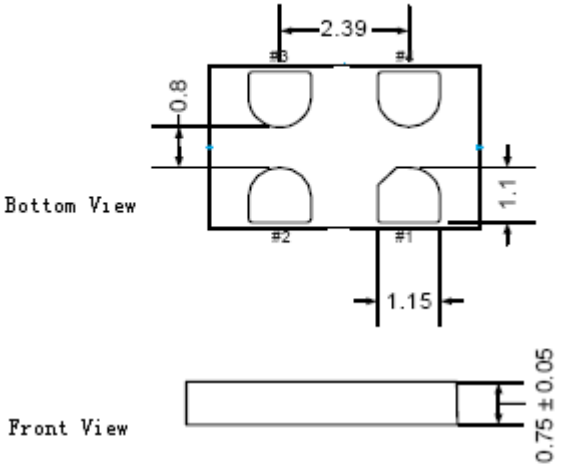
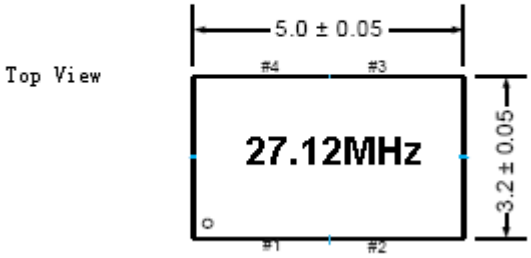
2、Mechanical Structure(mm)





Pin	Function
#1	E/D
#2	GND
#3	Output
#4	VDD

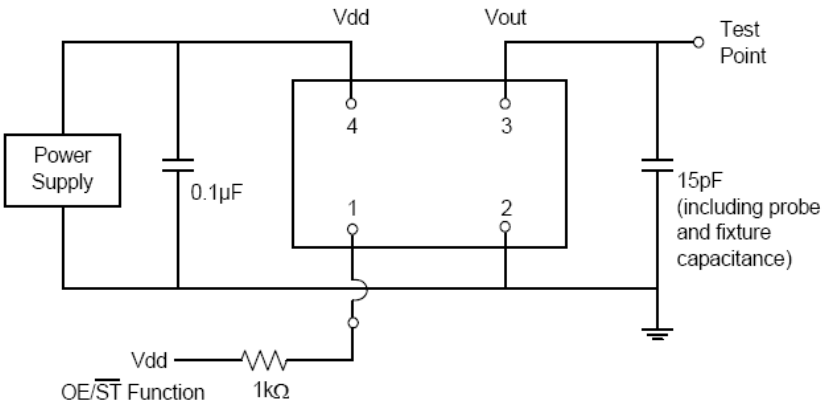


Note1: Tolerance ±0.2mm without mark

Note2: Enable/disable functional description

When pin1 goes high (≥0.7VDD) or open , the oscillator in normal operation and has output in frequency .When pin1 goes low (≤0.3VDD) , the oscillator stops and the oscillator output (pin3) becomes high impedance.

3、Test circuit



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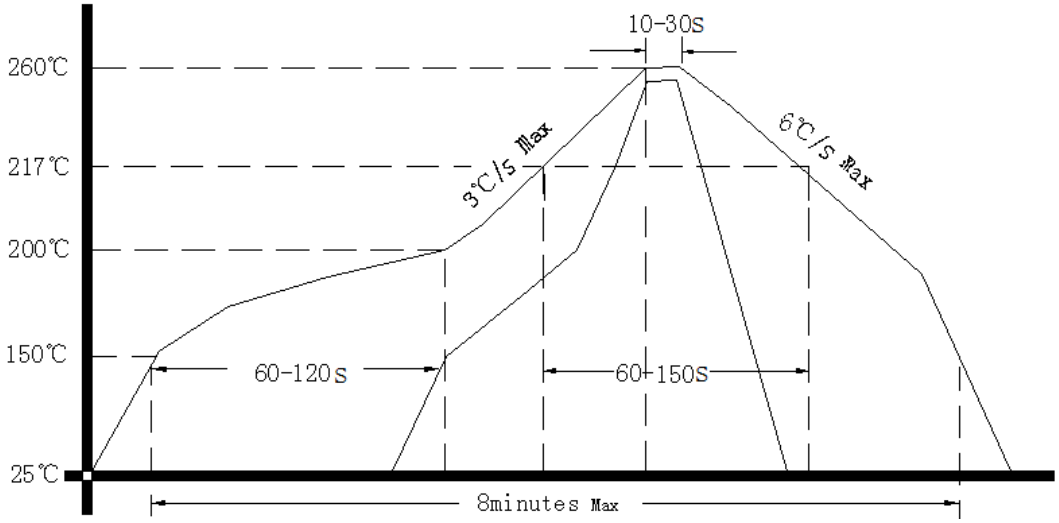
4、Reflow Soldering Curve (RoHS)



5、Package: Tape & Reel (mm)