

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

# DATASHEET

DAPU P/N: DP7C27120001

Y53NNM27120

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2016.06.12			

## Guangdong Dapu Telecom Technology Co.,Ltd

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

TEL: 0086-0769-88010888 FAX: 0086-0769-81800098

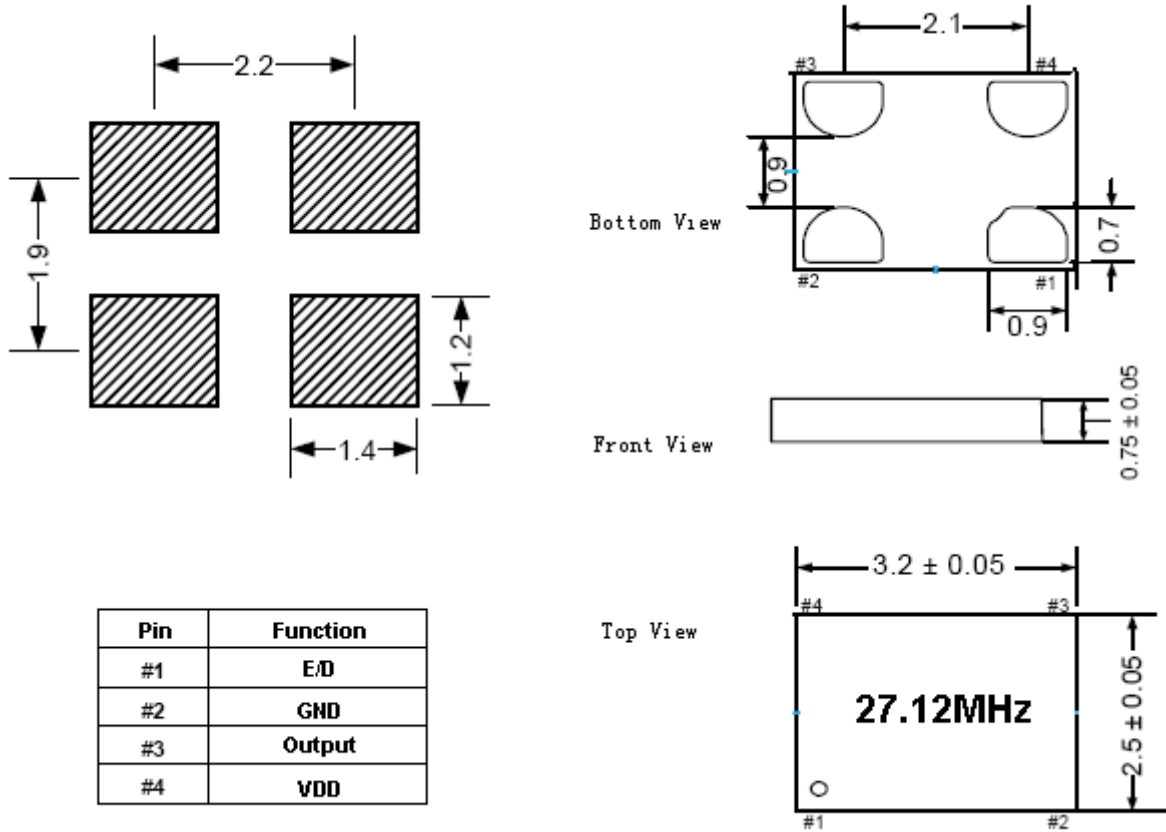


## 1、Electrical Parameters

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 °C tolerance, tolerance over operating temperature range, input voltage change, load change, 1 year aging
4	Operating Temperature	Topr	-40		+85	°C	
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	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°C
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 °C					



## 2、Mechanical Structure(mm)

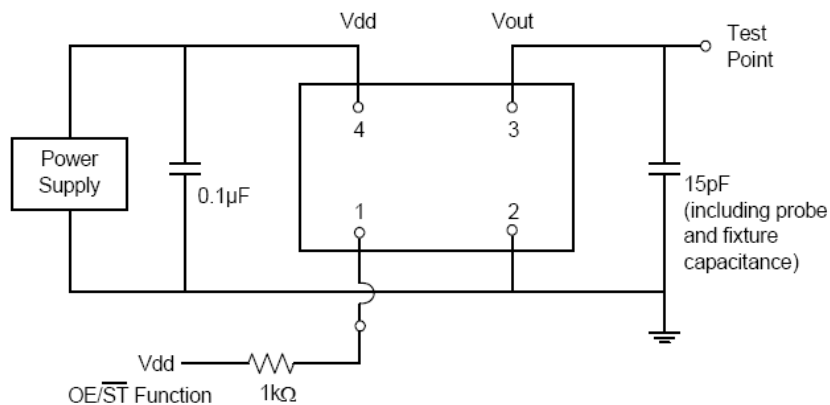


**Note1:** Tolerance ±0.2mm without mark

**Note2:** Enable/disable functional description

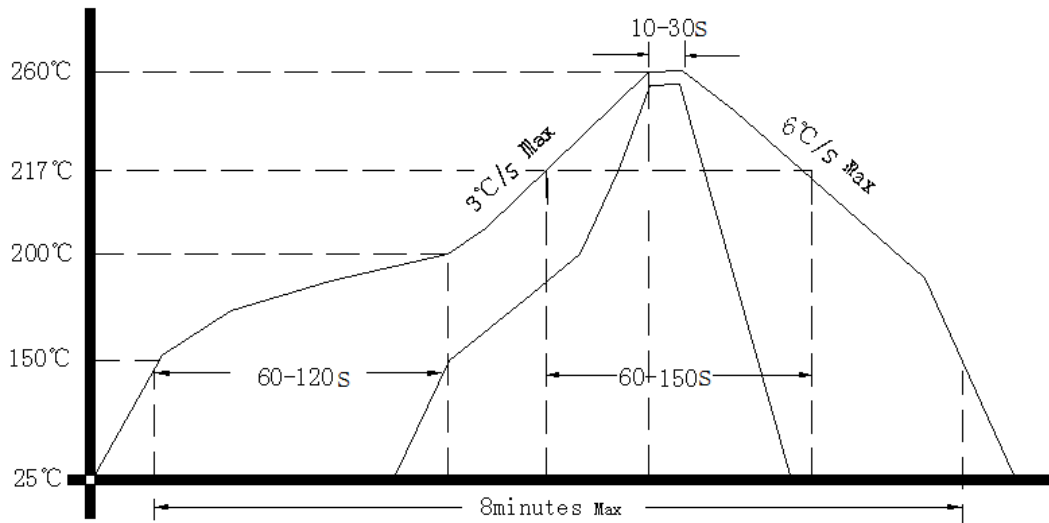
When pin1 goes high ( $\geq 0.7V_{DD}$ ) or open, the oscillator in normal operation and has output in frequency. When pin1 goes low ( $\leq 0.3V_{DD}$ ), the oscillator stops and the oscillator output (pin3) becomes high impedance.

## 3、Test circuit





#### 4、 Reflow Soldering Curve (RoHS)



#### 5、 Package: Tape & Reel (mm)

