Travelling Merchant:_____

DATASHEET

Standard: **DP7W20000001**

Y75YM20001

Plot			The Label
Drew	Audited	Approved	
Luna.Jin	Carry.Wang	James.Liu	
Date: 2014.09.04			Stamp, please! Thanks!

Guangdong Dapu Telecom Technology Co.,Ltd

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, China

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

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, PR China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

1、Electrical Parameters

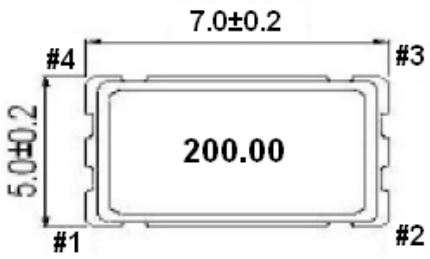
MODEL：DP7W20000001								
No.	Parameters		SYM.	Electrical Spec.				Notes
				Min.	Typ.	Max.	Units	
1	Nominal Frequency		FL		200.00		MHz	
2	Supply Voltage		VDD	2.97	3.3	3.63	V	
3	Current consumption		-	-	-	50	mA	
4	Output Waveform		-		CMOS		-	
5	Standard Output Load		-		15pF			
6	Frequency Stability		-	-50	~	+50	$\times 10^{-6}$	Frequency stability includes frequency tolerance@25℃ and frequency stability vs. operating temperature range and voltage variance and first year aging.
7	Frequency Stability	vs. Tolerance		-20	-	+20	$\times 10^{-6}$	Frequency at 25℃
8		vs. Temperature	-	-20	-	+20	$\times 10^{-6}$	Referenced to the frequency at 25℃
9		vs. Supply Voltage	-	-5	-	+5	$\times 10^{-6}$	Supply voltage varied ± 10% at 25℃
10	Operating Temperature		Topr	-40	-	+85	℃	The operating temperature Range over which the Frequency stability is measured
11	Storage Temperature		Tstg	-55	-	+125	℃	
12	Duty Cycle		-	40	50	60	%	
13	Start-up Time		Tosc	-	-	8	mS	
14	Rise/Fall Time		Tr/ Tf	-	-	3	nS	
15	Output High Logic1		-	2.97			V	
16	Output Low Logic0		-			0.33	V	
17	Aging		-	-3	-	+3	$\times 10^{-6}$	Frequency drift in first year
18	Output Active			2.31or			V	Pin 1 Tri-state
19	Output in High-Impedance state		-	-	-	0.99	V	
20	Period Jitter (Pk-Pk)					200	pS	
21	Period Jitter (RMS)					1.0	pS	12KHz-20.00MHz

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, PR China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

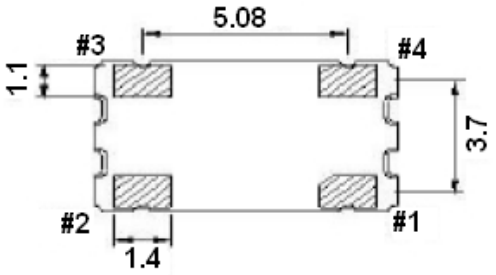
22	ESD Level	Human Body Model,class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010.
		Machine Model, class B: 200V to 400V; ANSI/ESDA/JEDEC JS-001-2010.
23	Moisture Sensitivity Level	Level 2.
24	Vibration	Test Condition: 0.75mm ;acceleration:10g;10Hz～2000Hz, one cycle per 30 min, test 2 hour. (3 times for each 3 directions X ,Y , Z) .IEC 68-2-06 Test Fc.
25	Shock	100g； 6ms； half sine wave (3 times for each 3 directions X ,Y, Z),IEC 68-2-27 Test Ea/Severity 50A.

2、Mechanical Structure(mm)

TOP VIEW

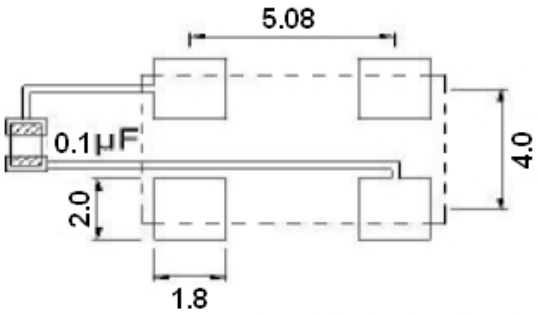


BOTTOM VIEW



SIDE VIEW

Recommened soldering pattern

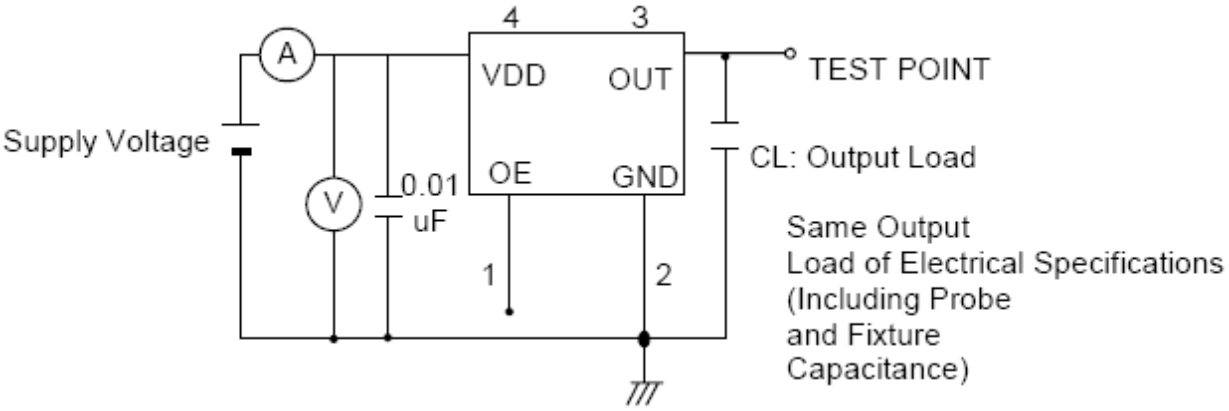


Pin	Function
#1	Tri-State
#2	GND
#3	Output
#4	Vdd

Note1: Tolerance ±0.2mm

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, PR China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

3、Test Diagram

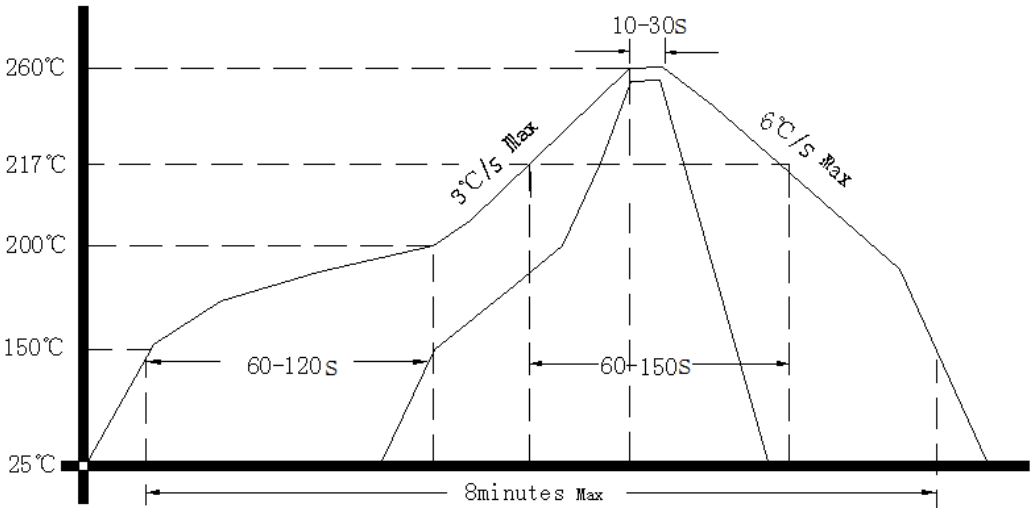


Control input (output enable/disable)

Logic 1 or open on pad 1: Oscillator output

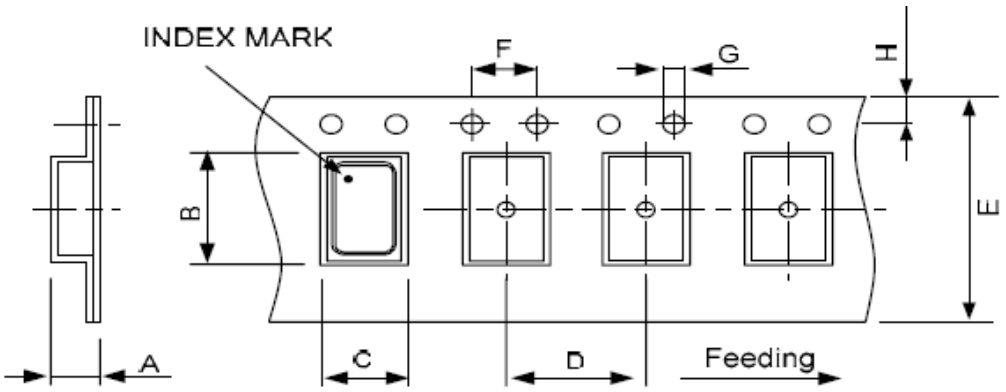
Logic 0 on pad 1 : Disable output to high impedance

4、Reflow Soldering Curve (RoHS)



Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, PR China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

5、Package: Tape & Reel (mm)



DIMENSIONS	A	B	C	D	E	F	G	H	(UNIT : mm)
	2.30	7.90	5.45	8.00	16.00	4.00	1.50	1.75	

REMARK :