

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

# DATASHEET

DAPU P/N: DP8W24576001Y22NNM2457A

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2015.07.30			

## Guangdong Dapu Telecom Technology Co.,Ltd

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

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

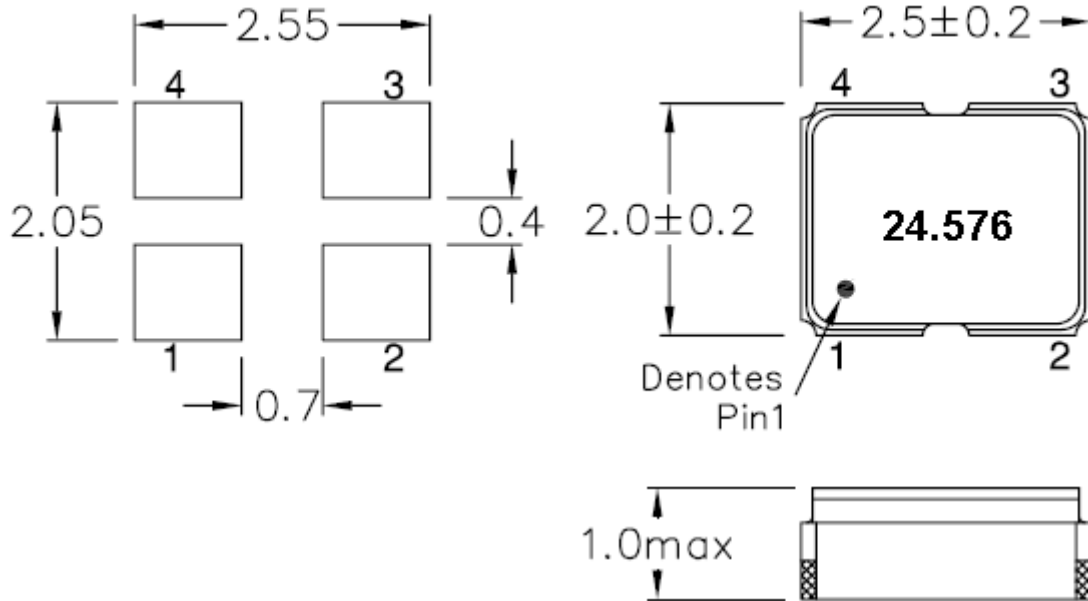


## 1、Electrical Parameters

MODEL: DP8W24576001							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	24.576			MHz	
2	Mode of Oscillation	OT	Fundamental				
3	Frequency Stability	-	-50	~	+50	$\times 10^{-6}$	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	Storage Temperature	Tstg	-55	~	+125	°C	
6	Supply Voltage	VDD	3.3 ± 10%			V	
7	Input Current	Icc	-	-	20	mA	
8	Output Load:	CL	15			pF	
9	Fan out type	LT	CMOS				
10	Output Voltage High	VoH	2.97	-	-	V	
11	Output Voltage Low	Vol	-	-	0.33	V	
12	Rise Time	Tr	-	-	5	ns	10%-90%VDD Level
13	Fall Time	Tf	-	-	5	ns	90%-10%VDD Level
14	Symmetry (Duty ratio)	TH/T	40	~	60	%	
15	Start-up Time	Tosc	-	-	3	ms	
16	Standby current	-	-	-	10	$\mu$ A	
17	Aging	-	±3			$\times 10^{-6}$	1st. Year at 25 °C
18	Phase Jitter	-			1	ps	RMS (12kHz to 20MHz)
19	Enable Control	-	Yes			-	PIN1
20	Output Enable	-	0.7VDD			V	
21	Output Disable	-			0.3VDD	V	
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.					
26	Full Package Storage	Relative humidity (%)			20% ~ 70%		
		Temperature (°C)			-10~35 °C		

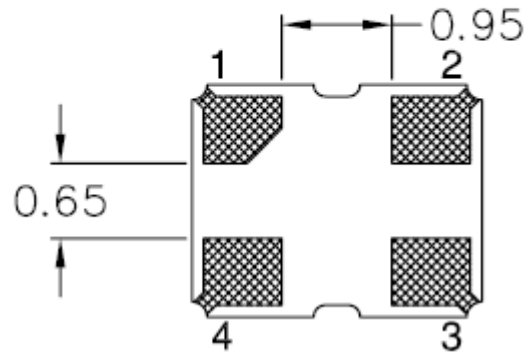


### 2、 Mechanical Structure(mm)



#### PIN CONNECTION

P/N	1651
1	Enable/Disable
2	GND
3	Output
4	VDD



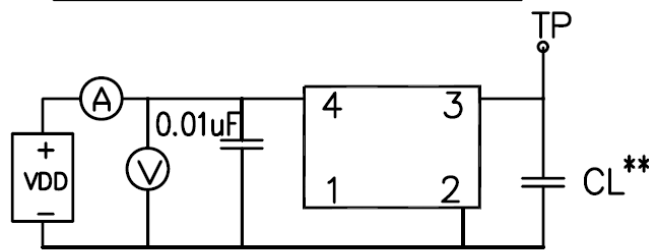
**Note1:** Tolerance ±0.2mm

**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 Diagram

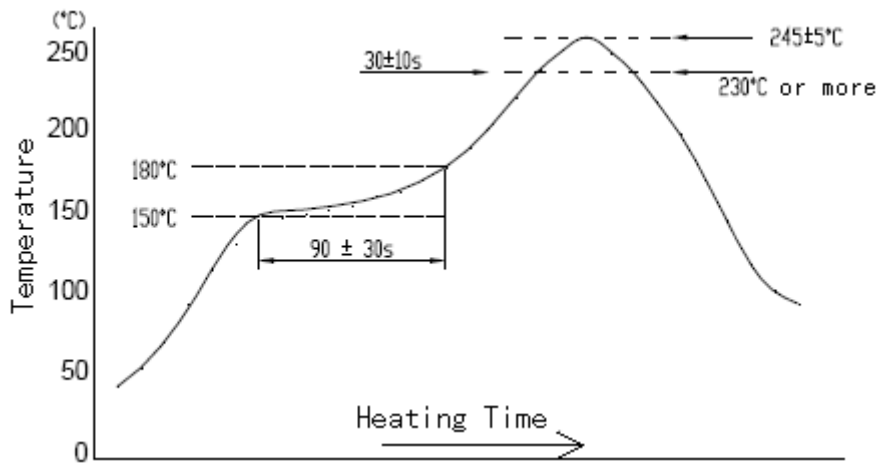
#### CMOS TEST CIRCUIT



\*\* CL — including fixture and probe capacitances



#### 4、 Reflow Soldering Curve (RoHS)



#### 5、 Package: Tape & Reel (mm)

