

Customer Code: _____

DATASHEET

DAPU P/N: DPBF12500001Y75ZCYF12501

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2015.04.15			

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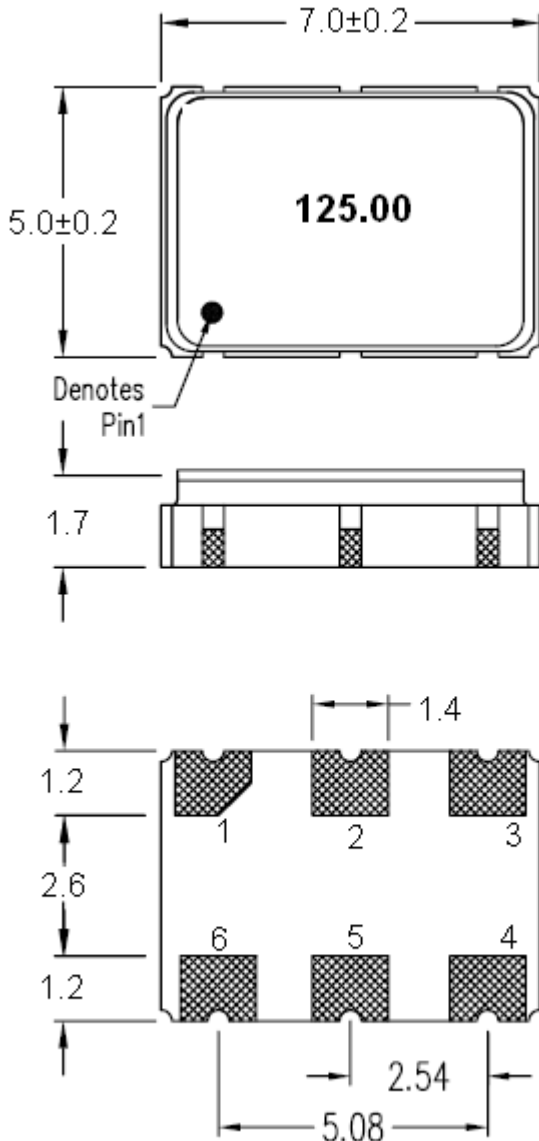


1、Electrical Parameters

MODEL: DPBF12500001							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	125.00			MHz	
2	Output Waveform	-	LVDS				
3	Frequency Stability	-	-30	~	+30	$\times 10^{-6}$	incl.25°C tolerance, tolerance over operating temperature range, input voltage change, load change,1 year aging
4	Operating Temperature	Topr	-20	~	+70	°C	
5	Storage Temperature	Tstg	-55	~	+125	°C	
6	Supply Voltage	VDD	2.5 ± 10%			V	
7	Input Current	Icc	-	-	45	mA	
8	Enable Control	-	Yes			-	
9	Output Load:	CL	15			pF	
10	Oscillation mode	-	Overtone				
11	Output Voltage High	VoH	-	-	1.6	V	
12	Output Voltage Low	Vol	0.9	-	-	V	
13	Rise Time	Tr	-	-	2	ns	10%-90% VDD Level
14	Fall Time	Tf	-	-	2	ns	90%-10% VDD Level
15	Start-up Time	Tosc	-	-	10	ms	
16	Standby current	-	-	-	10	μ A	
17	Aging	-	±3			$\times 10^{-6}$	1st. Year at 25°C
18	Output State Control		Enable/disable				
19	Output Load				100	Ω	
20	Jitter				1	ps	12KHz to 20MHz
21	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.					
22	Moisture Sensitivity Level	Level 2.					
23	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.					
24	Shock	100g; 6ms; half sine wave (3 times for each 3 directions X , Y , Z),IEC 68-2-27 Test Ea/Severity 50A.					
25	Full Package Storage	Relative humidity (%)			20% ~ 70%		
		Temperature (°C)			-10~35°C		

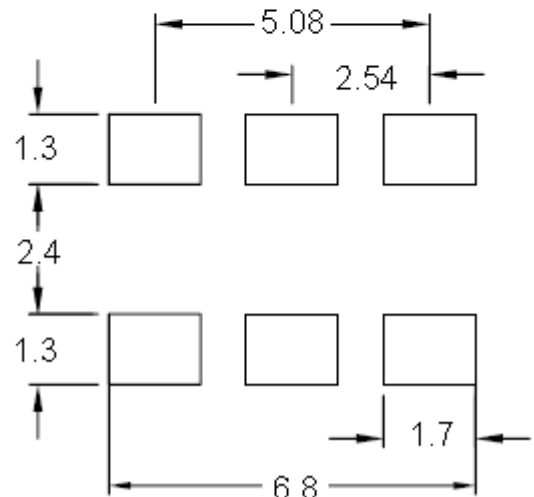


2、 Mechanical Structure(mm)



PIN CONNECTION

P/N	1491
1	Enable /Disable*
2	NC
3	GND
4	Output
5	$\overline{\text{Output}}$
6	VDD



RECOMMENDED SOLDERING PATTERN

Note1: Tolerance ± 0.2 mm

*Enable/Disable functional description

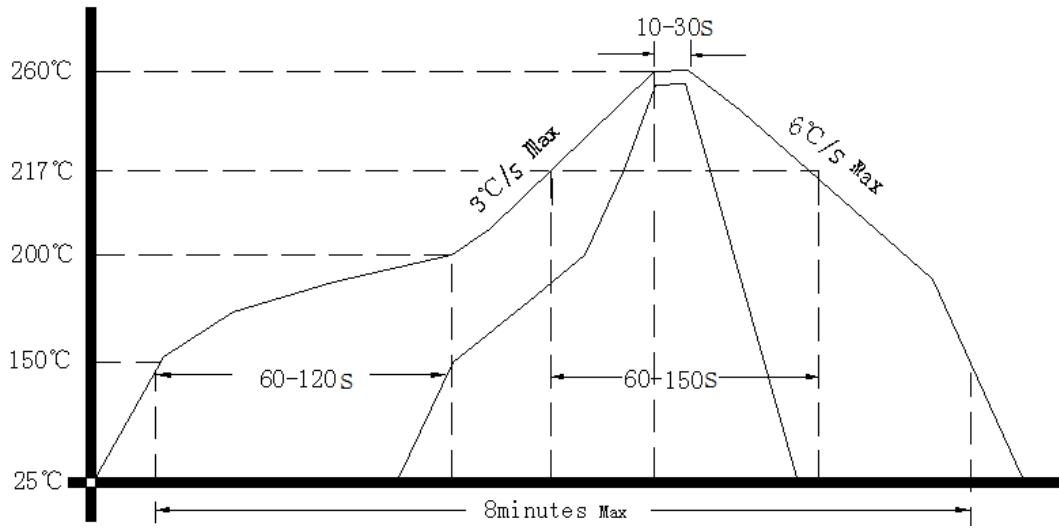
When pin1 is not connected the oscillator shall operate.

When pin1 is < 0.30 volts, the output will be inhibited (high impedance state.)

Recommend connecting pin1 to Vcc if the oscillator is to be always on.



4、 Reflow Soldering Curve (RoHS)



5、 Package: Tape & Reel (mm)

