

Travelling Merchant: _____

DATASHEET

Standard: DP7Q30720001X3225YF30721

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2014.11.21			

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



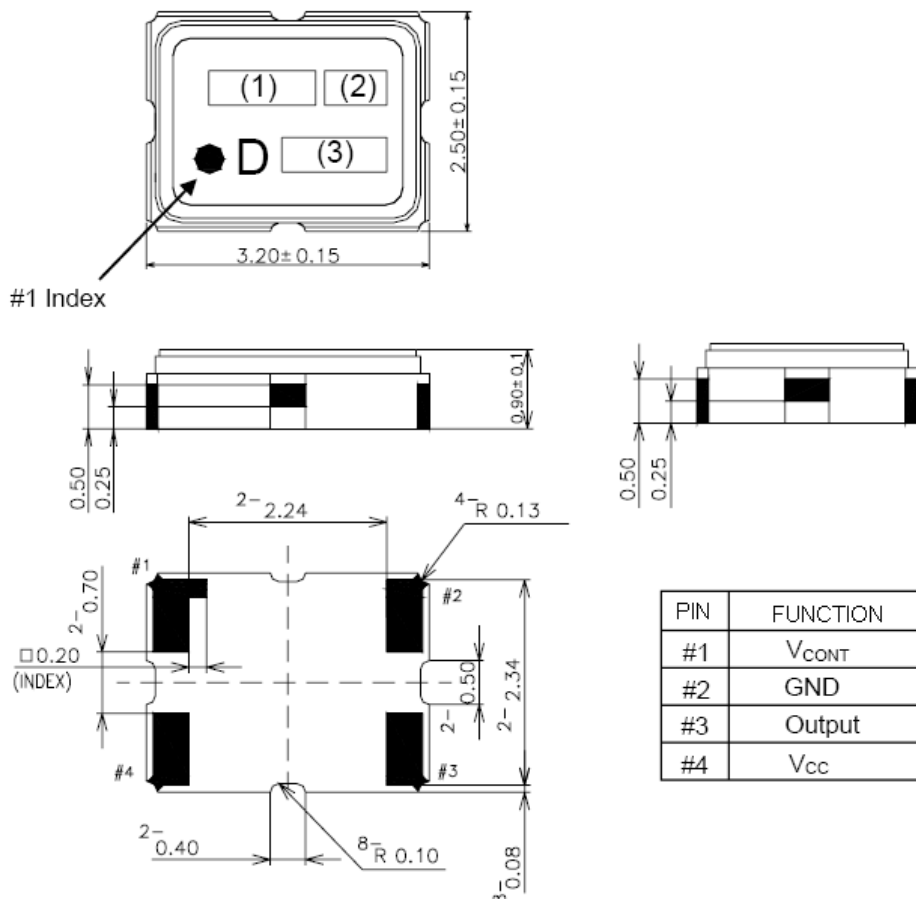
1、 Electrical Parameters

MODEL: DP7Q30720001								
No.	Parameters		SYM.	Electrical Spec.			Units	Notes
				Min.	Typ.	Max.		
1	Nominal Frequency		FL	30.72			MHz	Original frequency
2	Supply Voltage		VDD	3.135	3.3	3.465	V	
3	Current Drain		-	-	-	1.5	mA	
4	Output Level		-	0.8	-	-	Vp-p	
5	Harmonics		-	-	-	-5	dBc	
6	Output Waveform		-	Clipped Sine wave			-	
7	Standard Output Load		-	1K Ω /5pF			-	$\pm 10\%$
8	Frequency Stability	vs. Tolerance	-	-1.5	-	+1.5	$\times 10^{-6}$	At $+25 \pm 2^{\circ}\text{C}$, 2-hour or more at Room ambient after 2 times reflow, based on nominal frequency
9		vs. Temperature	-	-0.5	-	+0.5	$\times 10^{-6}$	T _A varied from -30°C to $+85^{\circ}\text{C}$, Ref. to Frequency T _A = 25°C
10			-	-2.0	-	+2.0	$\times 10^{-6}$	T _A varied from -40°C to -30°C , Ref. to Frequency T _A = 25°C
11		vs. Load	-	-0.2	-	+0.2	$\times 10^{-6}$	$\pm 10\%$ load change measurement referenced to frequency observed with T _A = 25°C , V _{cc} =3.3V, O _{Load} =1K Ω /5pF .
12		vs. Supply Voltage	-	-0.2	-	+0.2	$\times 10^{-6}$	3.3V $\pm 5\%$
13	Operating Temperature Range		-	-40	~	+85	$^{\circ}\text{C}$	
14	Storage Temperature		-	-40	~	+85	$^{\circ}\text{C}$	
15	Duty Cycle		-	40	~	60	%	
16	Aging		-	-1.0	-	+1.0	$\times 10^{-6}$	
17	Start- up time		-	-	-	2.0	ms	@90% of final Vout level
18	Frequency Tuning Range		-	-15	-	-9	$\times 10^{-6}$	V _c = 0.5 V. measurement referenced to V _c =1.5V
19			-	+9	-	+15	$\times 10^{-6}$	V _c =2.5V.measurement referenced to V _c =1.5V
20	Linearity		-	-	-	10	%	
21	slope			Positive				
22	Input Impedance		-	500	-	-	K Ω	
23	Phase Noise	@ 10Hz Offset	-	-	-	-83	dBc/Hz	
24		@ 100Hz Offset	-	-	-	-107		
25		@ 1KHz Offset	-	-	-	-130		



26		@ 10KHz Offset	-	-	-	-144	
27		@ 100KHz Offset	-	-	-	-145	
28		@ 1MHz Offset	-	-	-	-149	
29	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.					
30	Moisture Sensitivity Level	Level 2.					
31	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.					
32	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)



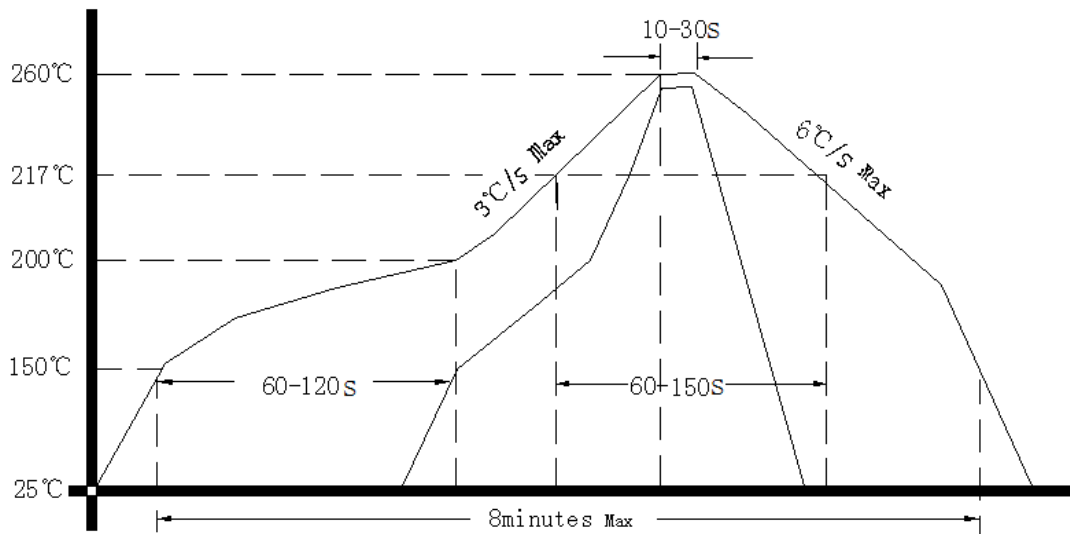
PIN	FUNCTION
#1	V _{CONT}
#2	GND
#3	Output
#4	V _{CC}

Note1: Tolerance ± 0.2 mm

Note2: Marking: (1) Frequency 30.72(MHz,4digits)
 (2) Model code AD
 (3) Date code Year(1digit) +Week(2digits)
 e.g.2014/01/01 → 401



3、 Reflow Soldering Curve (RoHS)



4、 Package: Tape & Reel (mm)

