

Customer Code: _____

DATASHEET

DAPU P/N: **DP7X27000006**

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2021.03.24			

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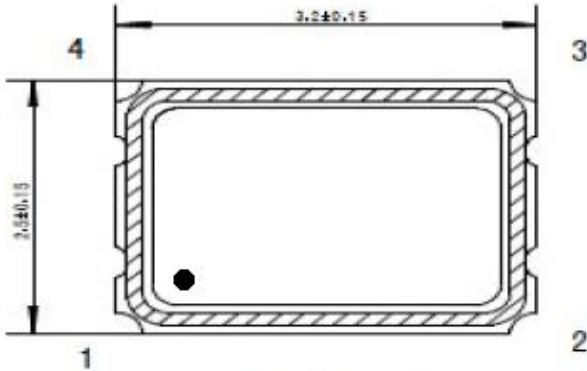
1、Electrical Parameters

MODEL: DP7X27000006							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	27.00			MHz	
2	Output Waveform		CMOS				
	Output Load:	CL			15	pF	
3	Symmetry	-	45	~	55	%	CL=15pF,Vc=1/2Vcc
4	Frequency stability	$\Delta f/f_n$	-30		+30	$\times 10^{-6}$	Frequency tolerance @25°C and frequency stability vs. operating temperature range and voltage variance
5	Operating Temperature	Topr	-40	25	+85	°C	
6	Storage Temperature	Tstg	-55	~	+125	°C	
7	Supply Voltage	Vcc	2.97	3.3	3.63	V	
8	Supply Current	Icc			8	mA	
9	Max supply voltage Range	Vcc	-0.5		6	V	
10	Supply Variation		-2		+2	$\times 10^{-6}$	VCC+/-5%
11	Load Variation		-1		+1	$\times 10^{-6}$	CL+/-5%
12	Aging Per Year				3	$\times 10^{-6}$	
13	Start up time				1	ms	
14	Rise/ Fall Time	Tr/Tf	-	-	5	ns	CL=15pF,10%~90% Vcc
15	“H” Input Voltage	VIH	Vcc*0.7			V	
16	“L” Input Voltage	VIL			Vcc*0.3	V	
17	“H” Onput Voltage	VOH	Vcc*0.9			V	
18	“L” Onput Voltage	VOL			Vcc*0.1	V	
19	Enable /Disable function	Logic “1”Or Floating input,Outputs enable; Logic “0” ,Outputs disable					
20	RMS Phase Jitter				1	ps	Integrated from 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; JEDEC JESD22-A115C.					
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			

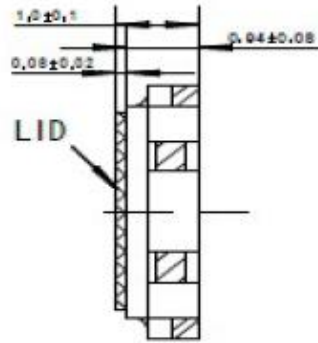


2、Mechanical Structure(mm)

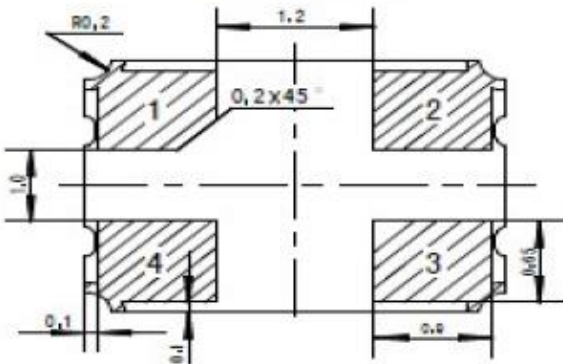
(TOP VIEW)



(SIDE VIEW)



(BOTTOM VIEW)



PAD FUNCTION

- 1 : ENABLE CONTROL
- 2 : GND
- 3 : OUT
- 4 : VDD

(Recommended Soldering Pattern)

