

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

# DATASHEET

DAPU P/N:                     **JDP7J1000002**                    

Plot			The Label
Drew	Audited	Approved	
Ella	Carry	Jason	
Date: 2023.11.06			
			Stamp, please! Thanks!

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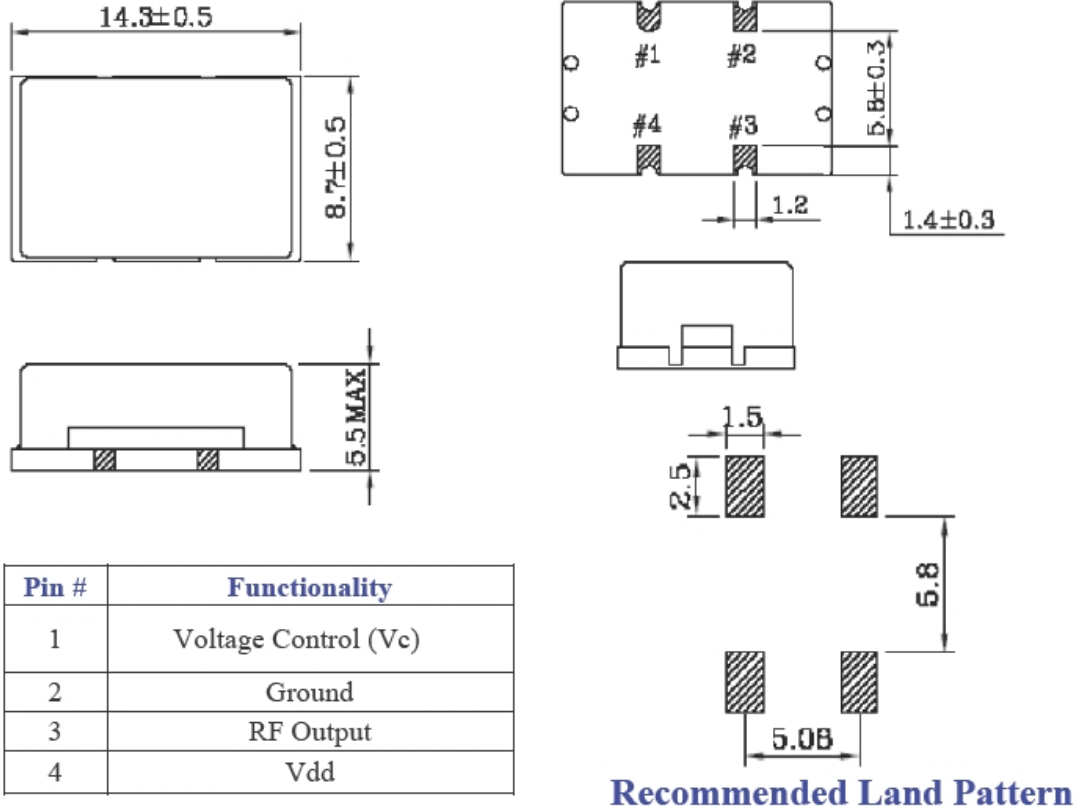


## 1、Electrical Parameters

MODEL: JDP7J1000002							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	100.00			MHz	
2	Output Waveform		LVCMOS				
3	Output Load				15	pF	
4	Supply Voltage		3.135	3.3	3.465	V	
5	ALL effects, including Aging				±28	×10 <sup>-6</sup>	
6	Control Voltage Range (Vc)		0	1.65	3.3	V	
7	Frequency Pull Range		±28		±55	×10 <sup>-6</sup>	Referenced to the carrier
8	Control Port Linearity				±10	%	
9	Slope		positive				
10	Control Voltage Port Impedance		10			kOhm	
11	Over (-40° C to +85°C)			±12	±18	×10 <sup>-6</sup>	Relative to measured frequency @ 25°C
12	Operating Temperature Range		-40		85	°C	
13	Storage Temperature Range		-40		90	°C	
14	Current Drain				35	mA	
15	Rise Time	Tr			3	ns	
16	Full Time	Tf			3	ns	
17	Duty Cycle	DC	45	50	55	%	
18	V Low				0.1Vdd	V	
19	V High		0.9Vdd			V	
20	First year				±2.0	×10 <sup>-6</sup>	
21	5-years				±5.0	×10 <sup>-6</sup>	
22	10-years				±7.0	×10 <sup>-6</sup>	
23	Phase Noise			-141		dBc/Hz	@1000Hz
				-160			@10kHz
				-161			@100kHz
				-165			@1MHz
24	Jitter			<50	100	fs	@12kHz to 20MHz

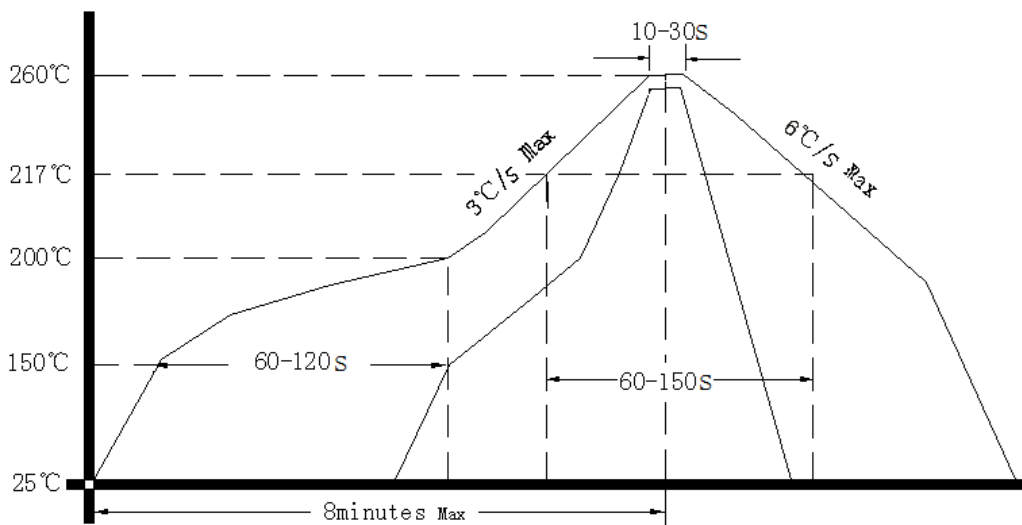


## 2、Mechanical Structure(mm)



Note1: Tolerance  $\pm 0.2\text{mm}$  without mark

## 3、Reflow Soldering Curve (RoHS)





#### 4、 Package : Tape & Reel (mm)

