

Customer Code : _____

DATASHEET

DAPU P/N: DP7W81920002

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2017.06.28			

Guangdong Dapu Telecom Technology Co.,Ltd

Bldg16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, China

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

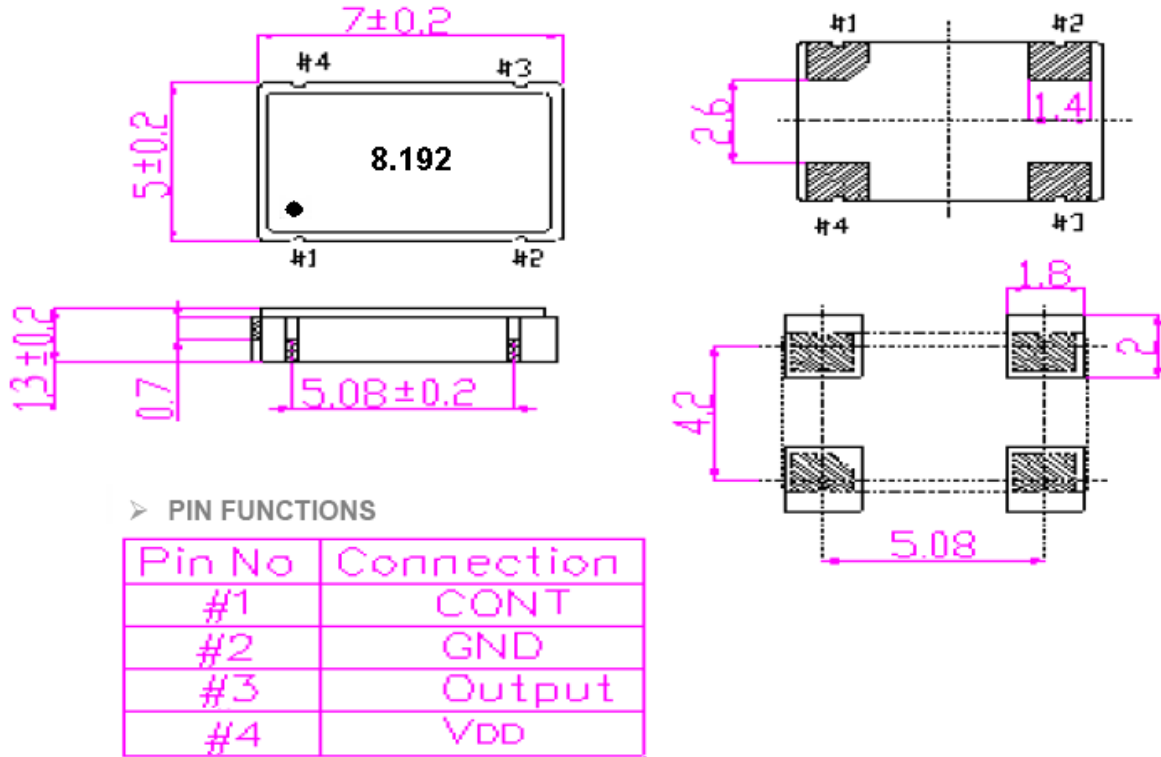


1、Electrical Parameters

MODEL: DP7W81920002							
No	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	8.192			MHz	
2	Supply Voltage			3.3		V	
3	Frequency Stability	F-stab	-30		+30	$\times 10^{-6}$	Over operating temperature range (reference 25°C)
4	Tolerance		-15		+15	$\times 10^{-6}$	at 25±2°C
5	Start time	tose			10	ms	
6	Operating Temperature	T-opr	-20	~	+70	°C	
7	Storage Temperature	T-stg	-40	~	+85	°C	
8	Current Consumption	IDD	-		10	mA	
9	Standby Current Consumption	I-std			5.0	uA	
10	Rise/Fall Time	Tr、Tf			5	ns	
11	Output Load	CL			15	pF	
12	Aging		-5		+5	$\times 10^{-6}$	Frequency drift in first year
13	Duty Cycle	DC	45	50	55	%	
14	Output Voltage High	VOH	VDD*0.9	-	-	V	
15	Output Voltage Low	VOL	-	-	VDD*0.1	V	



2、Mechanical Structure(mm)

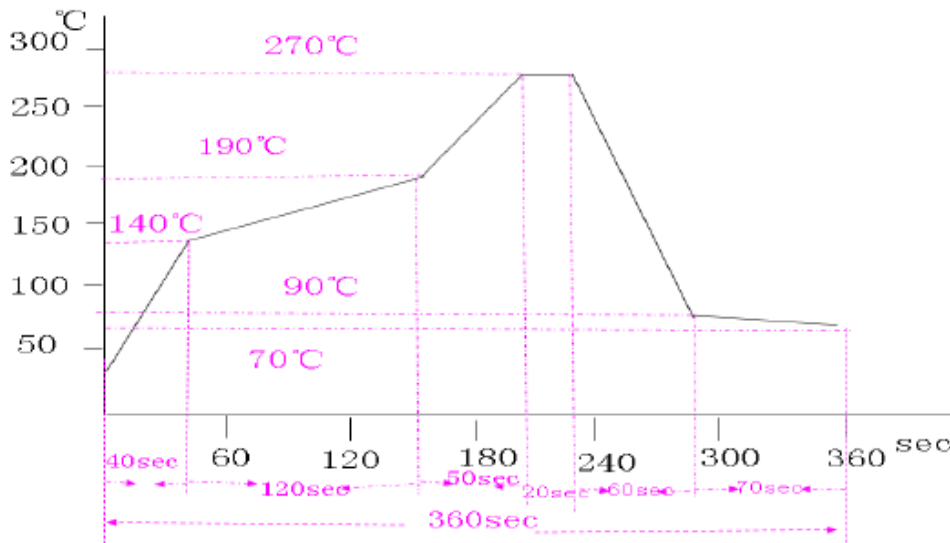


Note1:Tolerance±0.2mm without mark

3、Suggested reflow profile

Total time : 360 sec. Max.

Solder melting point :185 °C





4、 Reliability specifications

1.MECHANICAL ENDURANCE

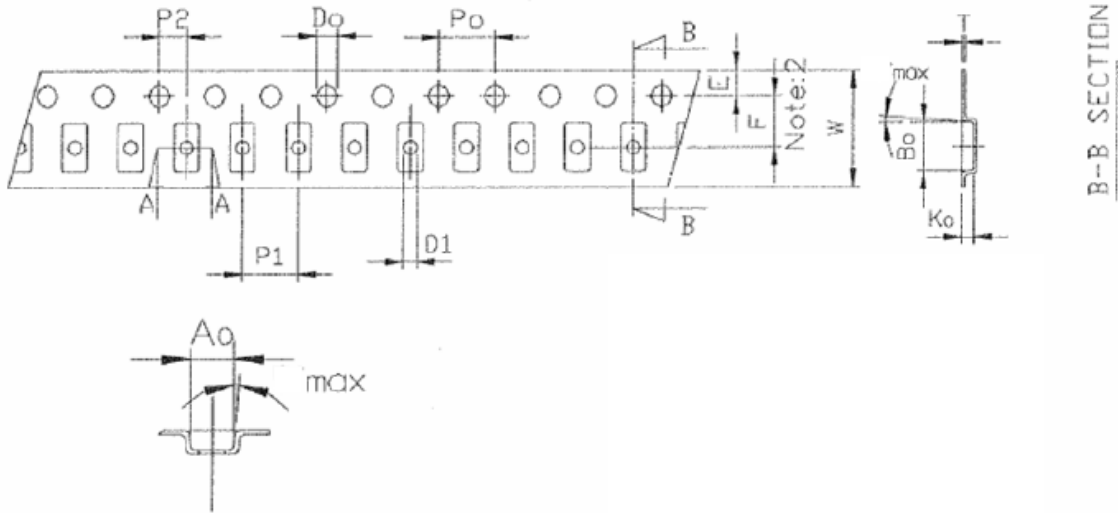
No.	Test Item	Test Methods	
1	Drop Test	75 cm height, fall freely onto stainless plate 3 times.	JIS C6701
2	Mechanical Shock	Device are shocked to half sine wave (1000 G) three mutually pendicular axes each 3 times. 0.5m sec. duration time	MIL-STD-202F
3	Vibration	Frequency range 10 ~ 2000 Hz Amplitude 1.52 mm Sweep time 20 minute Pendicular axes each test time 4 hours (Total test time 12 hours)	MIL-STD-883E
4	Solderability	Temperature 215 °C +/- 5 °C Immersing depth 0.5 mm minimum Immersion time 10 +/- 0.5 seconds Flux Rosin resin methyl alcohol solvent (1 : 4)	MIL-STD-883E
5	Resistance To Soldering Heat	Pre-heat temperature 125 °C Pre-heat time 60 ~ 120 sec. Test temperature 260 +/- 5 °C Test time 5 +/- 1 sec.	MIL-STD-202F

2.ENVIRONMENTAL ENDURANCE

No.	Test Item	Test Methods	
6	High Temp. Storage	+ 125 °C +/- 2 °C for 1000 +/- 12 hours	MIL-STD-883E
7	Low Temp. Storage	- 40 °C +/- 2 °C for 1000 +/- 12 hours	
8	Thermal Shock	Total 10 cycles of the following temperature cycle 1 cycle 125 +/- 3 °C 25 °C -55 +/- 3 °C 30 min. 30 min. 10 min. max.	MIL-STD-883E
9	High Temp. Operation	+ 85°C, VCC, for 1000 hours	MIL-STD-883E
10	Low Temp. Operation	- 40°C, VCC, for 1000 hours	MIL-STD-883E
11	Pressure Cooker Storage	120 +/- 3°C, RH100%, 2 bar, for 240 hours	



5、 Package: Tape & Reel (mm)



Dimension PKG Type	Unit : mm						
	A0	B0	K0	T	W	E	F
7050(16mm)	5.45±0.1	7.9±0.1	2±0.1	0.3±0.05	16±0.2	1.75±0.2	7.5±0.2
	P1	P2	D1	D0	P0		
	8±0.2	2±0.1	1.55±0.1	1.55±0.05	4±0.1		

Standard Reel Quantity is 1,000 pcs per reel.