Customer Code :_____

DATASHEET

DAPU P/N: **DPBA80000001**

Plot			The Label
Drew	Audited	Approved	
Amway.wei	Carry.Wang	James.Liu	
Date: 2019.06.24			Stamp, please! Thanks!

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

Bldg16,.N.Ind.Zone,SSL Industry Park,
Dongguan City, Guangdong Province,
PR China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

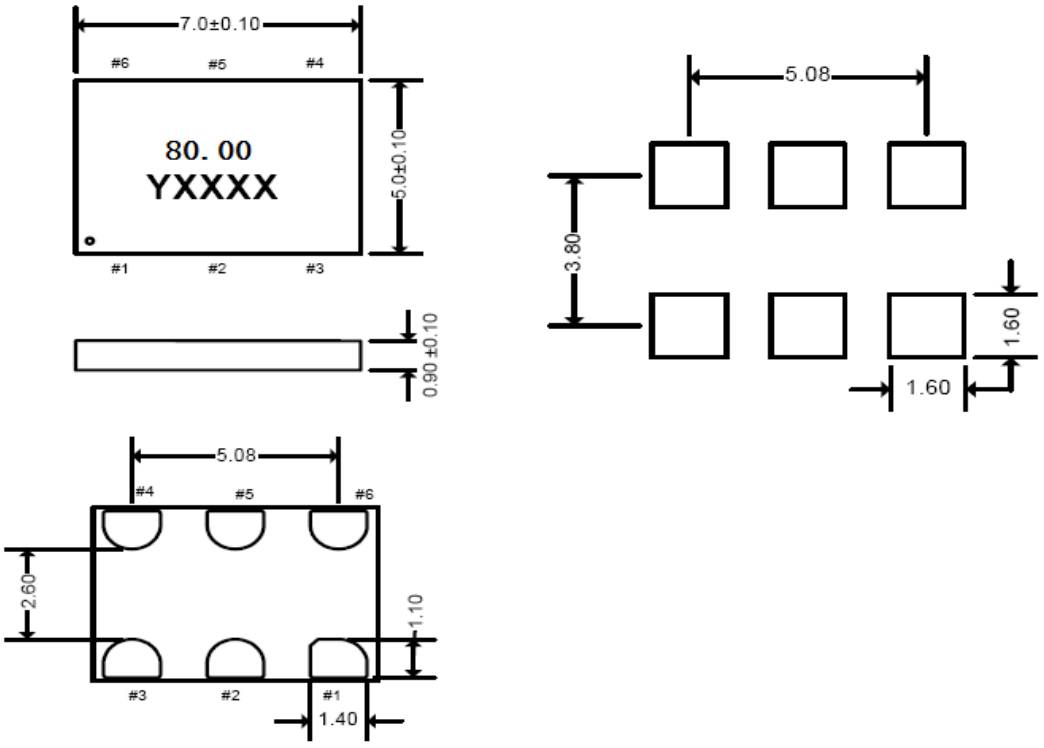
1、Electrical Parameters

MODEL：DPBA80000001							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL		80.00		MHz	
2	Output Waveform			LVPECL			
3	Vdd		-0.5		4	V	
4	Supply Voltage		2.97	3.3	3.63	V	
5	Frequency Stability	F-stab	-25		+25	$\times 10^{-6}$	Inclusive of initial tolerance, operating temperature, rated power supply voltage, and load variations
6	Operating Temperature	T-opr	-40	~	+85	℃	
7	Storage Temperature	T-stg	-65	~	+150	℃	
8	First Year Aging	F-aging1	-2		+2	$\times 10^{-6}$	25℃
9	10-year Aging	F-aging10	-5		+5	$\times 10^{-6}$	25℃
10	Current Consumption	Idd	-	61	69	mA	
11	OE Disable Supply Current	I_OE			35	mA	OE = Low
12	Standby Current	I_std			100	μA	ST=low, for all vdds
13	Rise/Full Time	Tr、Tf		300	700	ps	20%~80%
14	Duty Cycle	DC	45		55	%	
15	Output Current	VOD			30	mA	
16	Output Disable Leakage Current	I_leak			1	μA	OE = Low
17	Output Voltage High	VOH	Vdd-1.1	-	Vdd-0.7	V	
18	Output Voltage Low	VOL	Vdd-1.9	-	Vdd-1.5	V	
19	Output Differential Voltage Swing	V-Swing	1.2	1.6	2.0	V	
20	Input Voltage High	VIH	70%	-	-	Vdd	Pin 1 OE
21	Input Voltage Low	VIL	-	-	30%	Vdd	Pin 1 OE
22	Input Pull-up Impedence	Z_in		100	250	KΩ	Pin 1, OE logic high or logic low, or ST logic high
23	Start up Time	T_start	-	6	10	ms	Measured from the time Vdd reaches its rated minimum value
24	OE Enable/Disable Time	T_oe	-	-	115	ns	
25	Resume Time	T_ resume		6	10	ms	In Standby mode, measured from the time ST pin crosses 50% threshold.
26	RMS Period Jitter	T_jitt	-	1.2	1.7	ps	
27	Phase Jitter(radom)	T_phj		0.6	0.85	ps	Integration bandwidth =12kHz to 20MHz

Bldg16,.N.Ind.Zone,SSL Industry Park,
Dongguan City, Guangdong Province,
PR China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

28	Mechanical Shock	MIL-STD-883F,Method 2002
	Mechanical Vibration	MIL-STD-883F,Method 2007
	Temperature Cycle	JESD22, Method A104
	Solderability	MIL-STD-883F,Method 2003
	Moisture Sensitivity Level	MSL1@260℃

2、Mechanical Structure(mm)



unit:mm

Pin Description

Pin	Map	Functionality	
1	OE	Input	H or Open: specified frequency output L: output is high impedance
2	NC	NA	No Connect; Leave it floating or connect to GND for better heat dissipation
3	GND	Power	VDD Power Supply Ground
4	OUT+	Output	Oscillator output
5	OUT-	Output	Complementary oscillator output
6	VDD	Power	Power supply voltage

Note1: Tolerance±0.2mm without mark

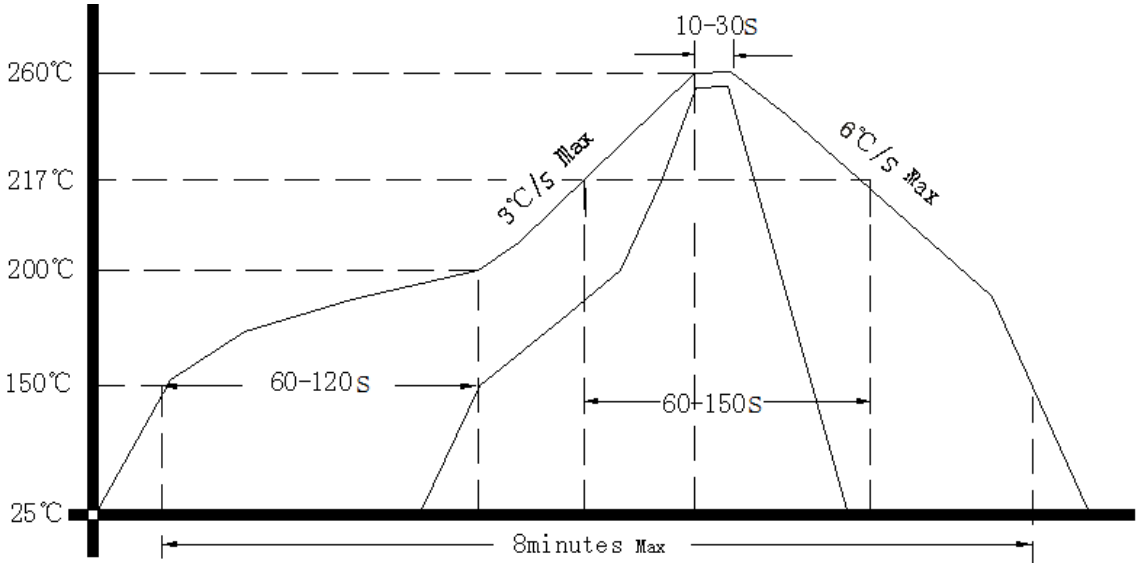
Note2: Referential weight 0.2g

Note3: Y denotes manufacturing origin and XXXX denotes manufacturing lot number. The value of "Y" will depend on the assembly location of the device

Note4: A capacitor of value 0.1μ F or higher between Vdd and GND is required.

Bldg16,.N.Ind.Zone,SSL Industry Park,
Dongguan City, Guangdong Province,
PR China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

3、Reflow Soldering Curve (RoHS)



4、Package: Tape & Reel (mm)