

Customer Code: _____

DATASHEET

DAPU P/N: DPBF12288001

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2016.09.01			

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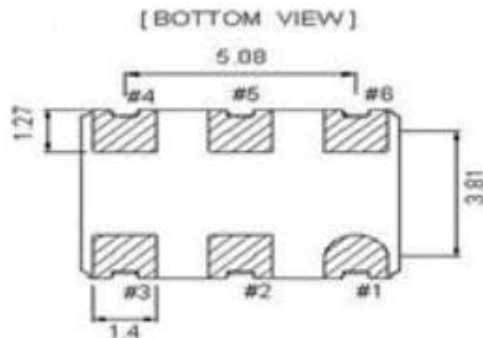
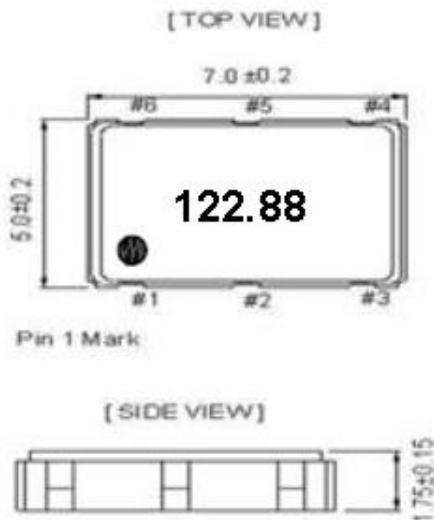
1、 Electrical Parameters

MODEL: DPBF12288001							
No	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	122.88			MHz	
2	Output waveform		LVDS				
3	Duty Cycle		45	50	55	%	
4	Frequency Stability		-50		+50	$\times 10^{-6}$	Frequency stability includes frequency tolerance@25°C and frequency stability vs. operating temperature range and voltage variance and first year aging.
5	Operating Temperature	Topr	-40		85	°C	The operating temperature range over which the frequency stability is measured.
6	Storage Temperature	Tstg	-55		125	°C	
7	Supply Voltage	VDD	3.135	3.3	3.465	V	
8	Input Current	Icc			80	mA	
9	Start Time				3.0	ms	Pad 2
10	Output Load:	CL			100Ω	ohm	
11	Output Voltage High	VoH			1.6	V	
10	Output Voltage Low	VoL	0.9			V	
12	Rise / Fall Time	Tr			1.0	ns	
13	Aging		-3.0		+3.0	$\times 10^{-6}$	Frequency drift in first year
14	Output Active		or Floating		0.99	V	Vc=1.65±1.5V
15	Output in High-Impedance state		2.31			V	
16	Vibration Test	MIL-STD-883 2007 Condition A				10~2000Hz, 1.52mm, 20g, each axis for 4 hrs	
		JESD22-B103 Condition 1					
17	Thermal Shock	MIL-STD-883 1010 Condition B				-55°C, 125°C; soak time is 10 mins, with total 200 cycles	
		JESD22-A104 Condition B					
18	Mechanical Shock	MIL-STD-883 2002 Condition B				1500G, half-sine, 0.5ms, each axis for 3 times.	
		JESD22-B104 Condition B					

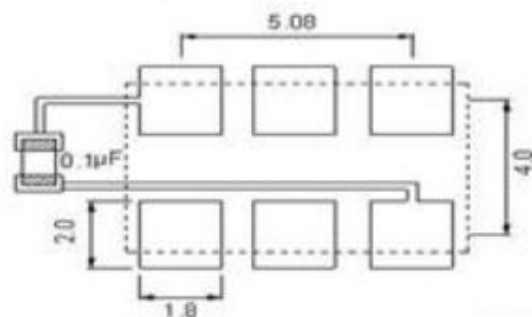


19	Center Voltage			1.65		V	
20	Pulling Range		±90			ppm	
21	Control Voltage Range		0.3		3.0	V	
22	Absolute Pull Range (APR)		±40			ppm	
23	Linearity				10	%	
24	Modulation Bandwidth		25			KHz	
25	VC Input Impedance		2000			Kohm	
26	RMS Phase Jitter			0.5		pSec	(12KHz - 20MHz)
27	Phase Noise @25°C			-85		dBc/Hz	100Hz
28				-115			1KHz
29				-125			10KHz
30				-140			100KHz

2、Mechanical Structure(mm)



Pin	Function
#1	Vcon
#2	Tri-State
#3	GND
#4	Output
#5	Comp. Output
#6	VDD

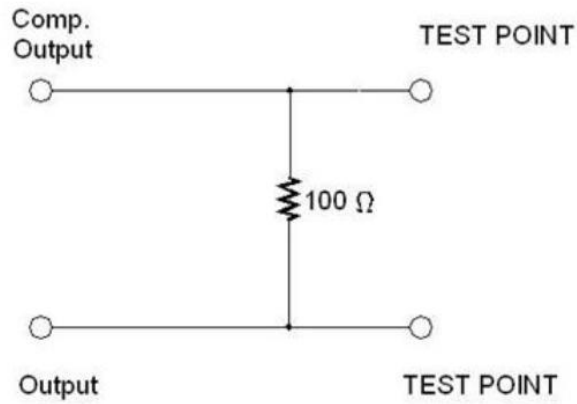


Unit:mm

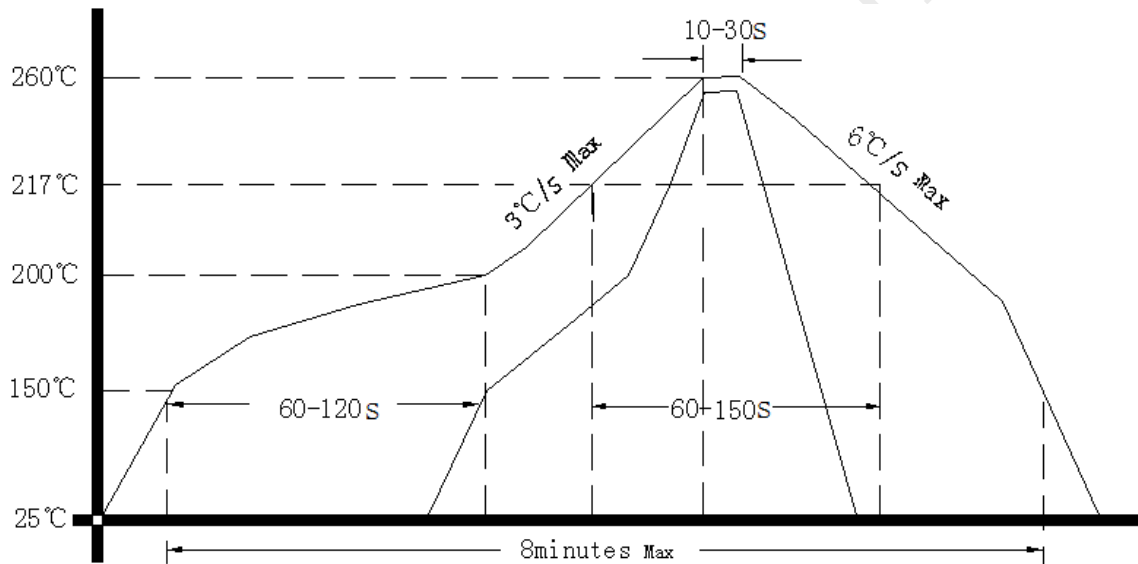
Note1: Tolerance ±0.20mm



3. Test Circuit



3、 Reflow Soldering Curve (RoHS)



4、 Package: Tape & Reel (mm)

