Customer Code :_____

DATASHEET

DAPU P/N: **DP7X12500004**

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Amway.wei	Carry.Wang	James.Liu	
Date: 2019.01.24			

Guangdong Dapu Telecom Technology Co.,Ltd

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1、Electrical Parameters

MODEL：DP7X12500004							
No	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL		125.00		MHz	
2	Output Waveform			CMOS			
3	Supply Voltage		2.97	3.3	3.63	V	
4	Frequency Stability (Overall)	F-stab	-30		+30	$\times 10^{-6}$	Frequency stability includes frequency tolerance@25℃ and frequency stability vs. operating temperature range and voltage variance and first year aging.
5	Operating Temperature	T-opr	-40	~	+85	℃	The operating temperature range over which the frequency stability is measured.
6	Storage Temperature	T-stg	-55	~	+125	℃	
7	Current		-		25	mA	At maximum supply voltage
8	Rise/Fall Time	Tr、Tf			2	ns	
9	Output Load				15	pF	
10	Aging		-3		+3	$\times 10^{-6}$	Frequency drift in first year
11	Duty Cycle	DC	45	50	55	%	
12	Output Voltage High	VOH	2.97	-	-	V	
13	Output Voltage Low	VOL	-	-	0.33	V	
14	Tri-State	Output Active	2.31 or Floating	-	-	V	Pin 1 Tri-state
		Output in High-Impedance state	-	-	0.99	V	
15	Start Time	T_start	-	-	2.0	ms	
16	Period Jitter (Pk-Pk)				40	ps	
17	Phase Noise	Phase Noise			-100	dBc/Hz	100Hz
					-120		1KHz
					-139		10KHz
					-140		100KHz

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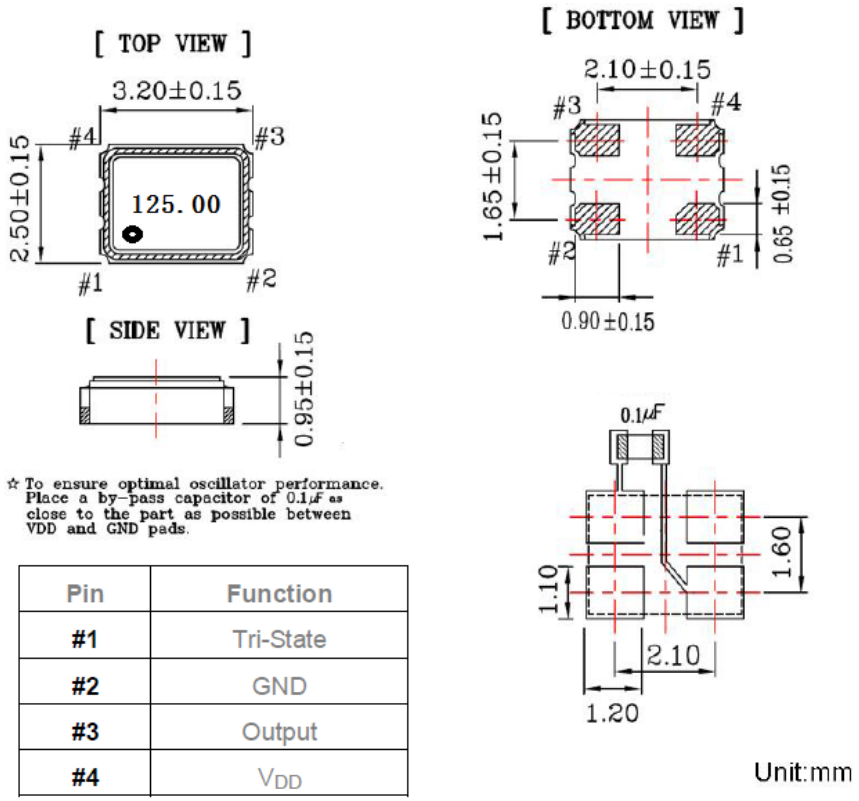
18	Vibration Test	MIL-STD-883 2007 Condition A JESD22-B103 Condition 1	10~2000Hz, 1.52mm, 20g, each axis for 4 hrs
19	Thermal Shock	MIL-STD-883 1010 Condition B JESD22-A104 Condition B	-55℃, 125℃; soak time is 10 mins, with total 200 cycles
20	Mechanical Shock	MIL-STD-883 2002 Condition B JESD22-B104 Condition B	1500g, half-sine, 0.5ms, each axis for 3 times.

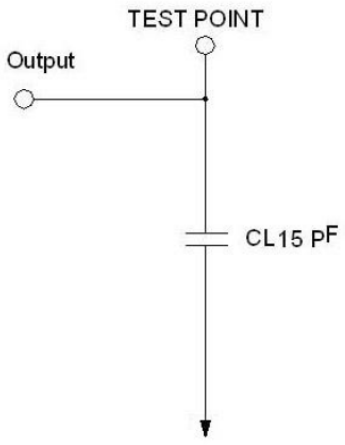
2、Mechanical Structure(mm)



Pin	Function
#1	Tri-State
#2	GND
#3	Output
#4	V_{DD}

Note1: Tolerance±0.2mm without mark

3、Test Circuit (CMOS LOAD)



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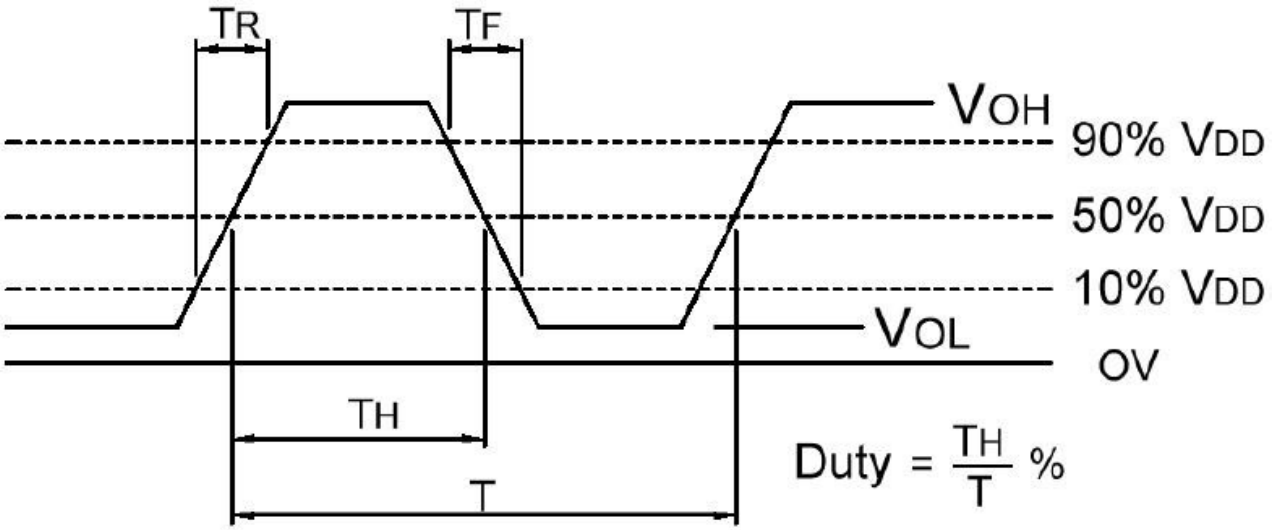
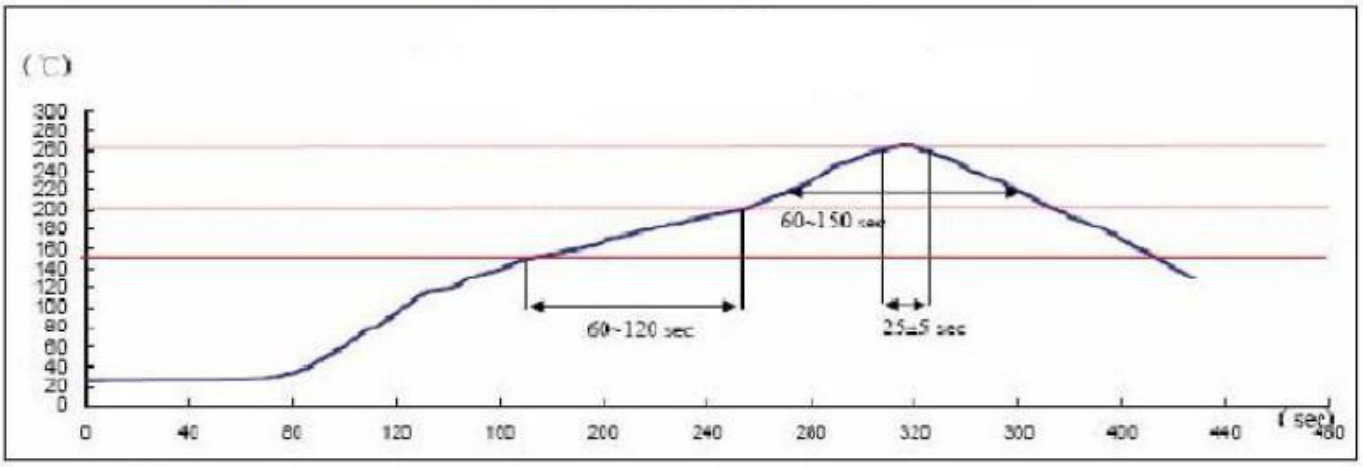
4、Output Waveform(CMOS LOAD)



5、RECOMMENDED IR REFLOW PROFILE

➢ IR REFLOW PROFILE OF CERAMIC SMD PRODUCTS FOR Pb FREE PROCESS



IR-Reflow Test

Reference Standard : JEDEC-STD 020

Test Conditions: Pre-heating : 150℃ to 200 ℃, 60~120 sec

Heating : 217 ℃ , 60~150 sec

Peak Temperature : 260±5 ℃, 25±5 sec

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6、Package: Tape & Reel (mm)