Customer Code :_____

DATASHEET

DAPU P/N: **JDPCE1250002**

Plot			The Label
Drew	Audited	Approved	
Amway.wei	Carry.Wang	Jason Zhao	
Date: 2023.08.13			Stamp, please! Thanks!

Guangdong Dapu Telecom Technology Co.,Ltd

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1、Electrical Parameters

MODEL：JDPCE1250002

No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL		125.00		MHz	
2	Output Waveform			LVDS			
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 operating temperature, rated power supply voltage and load.
6	Operating Temperature	T-opr	-55	~	+85	℃	
7	Storage Temperature	T-stg	-65	~	+150	℃	
8	Current Consumption	Idd	-	47	55	mA	Excluding load termination current, Vdd=3.3V
9	Rise/Full Time	Tr、Tf		495	700	ps	20%~80%
10	First Year Aging		-2		+2	$\times 10^{-6}$	@25℃
11	10 Year Aging		-5		+5	$\times 10^{-6}$	@25℃
12	Duty Cycle	DC	45		55	%	
13	Differential Output Voltage	VOD	250	350	450	mV	
14	Start up Time	T_start	-	6	10	ms	Measured from the time Vdd reaches its rated minimum value
15	VOD Magnitude Change	ΔVOD			50	mV	
16	Offset Voltage	VOS	1.125	1.2	1.375	V	
17	VOS Magnitude Change	Δ VOS			50	mV	
18	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℃					

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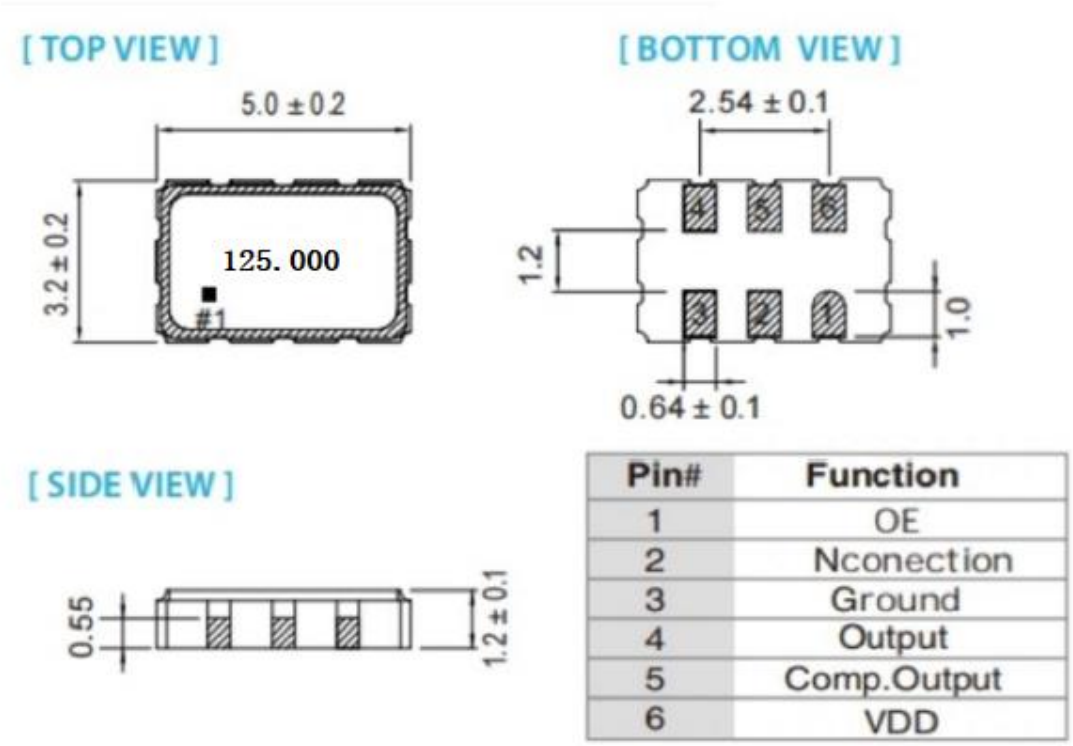
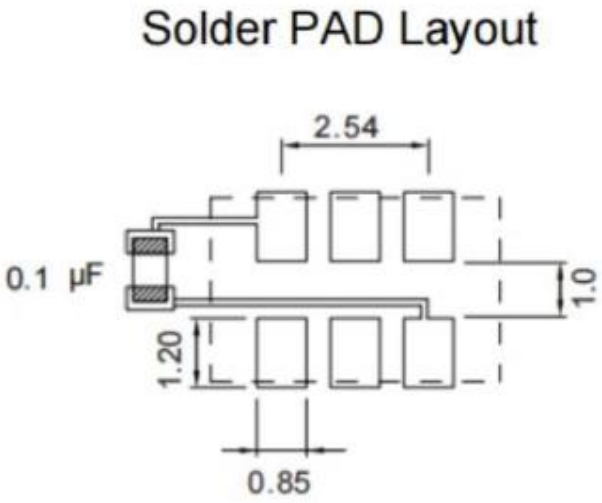
2、Mechanical Structure(mm)



Pin#	Function
1	OE
2	Nconection
3	Ground
4	Output
5	Comp.Output
6	VDD



To maintain stable operation,provide a 0.01μF to 0.1μF by-pass capacitor at a location as near as possible to the power source terminal of the crystal product(between Vcc-Ground)

Note1: Tolerance±0.2mm without mark

Note2: Referential weight 0.2g

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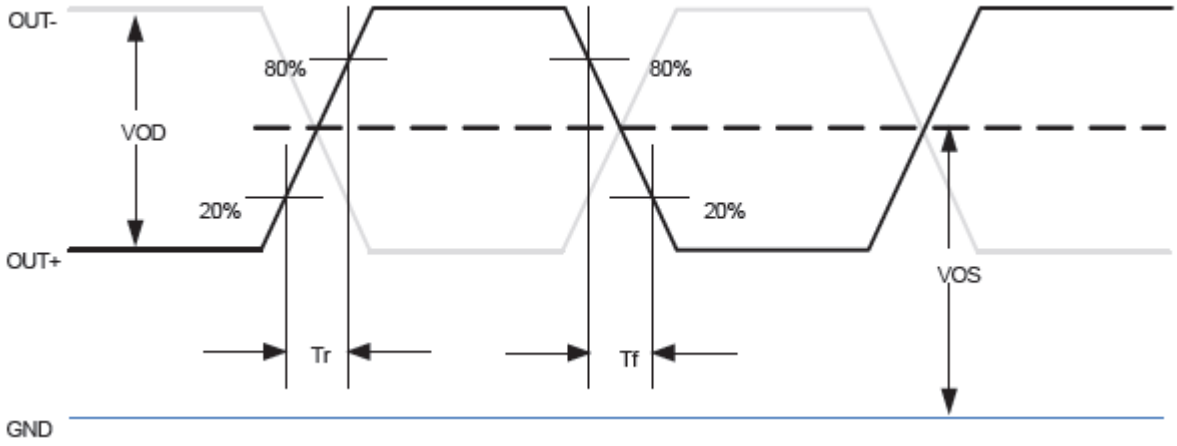
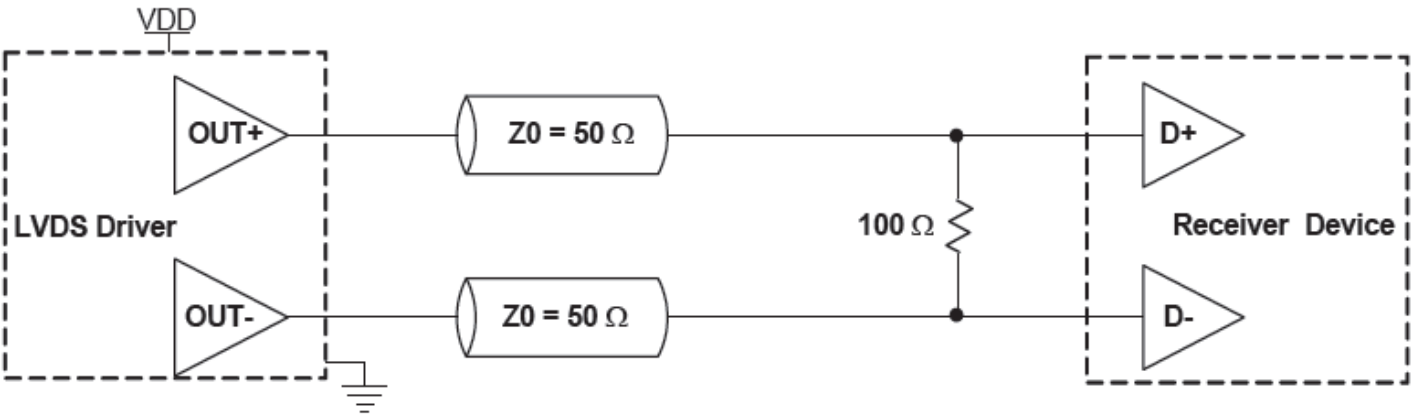
3、Waveform Diagrams



4、Termination Diagrams



5、Package: Tape & Reel (mm)