

**Customer Code:** \_\_\_\_\_

# DATASHEET

**DAPU P/N:** DPC32156M250BL0GEB0

<b>DAPU</b>			<b>Customer Approval</b>
Drew	Audited	Approved	
Jieshu ZHENG	Jianhua LIN	Gangtao FENG	
Date:	2024/12/2		

Stamp, please! Thanks!

## Guangdong Dapu Telecom Technology Co.,Ltd

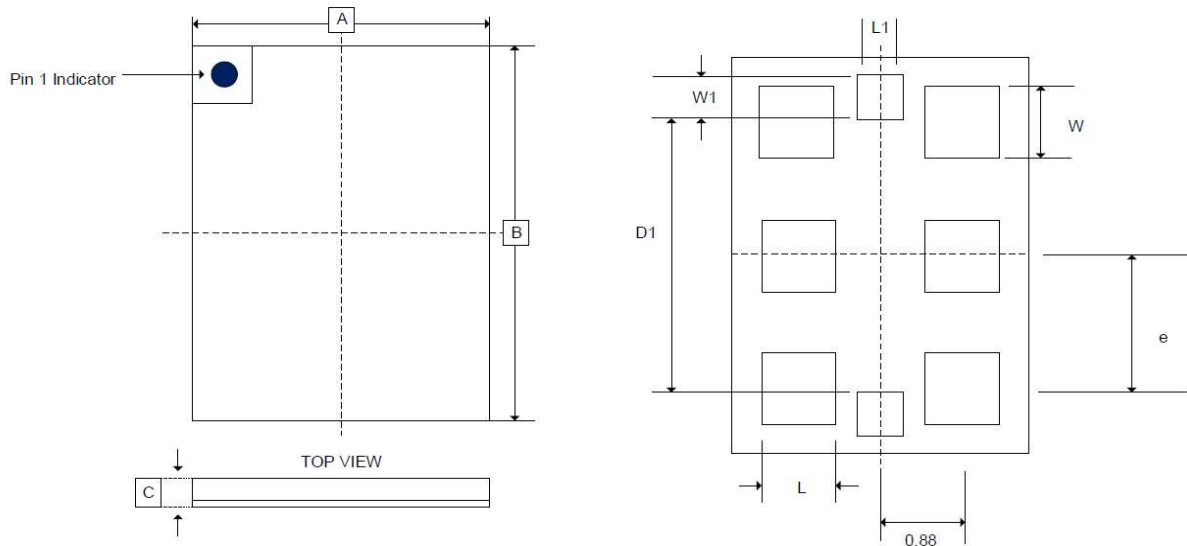
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**1、Electrical Parameter**

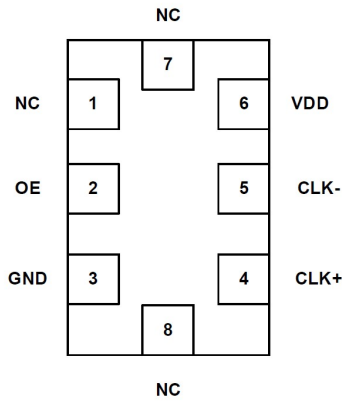
MODEL :		DPC32156M250BL0GEB0					
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	156.250			MHz	
2	Frequency Stability vs. Temperature	-	-5		5	ppm	-40~85°C
3	Operating Temperature	Topr	-40		85	°C	
4	Storage Temperature	Tstg	-55		125	°C	
5	Supply Voltage	VDD	1.71	1.8	1.89	V	
6	Current Consumption	Idd		75		mA	OE= "H" or Floating, excluding load termination current.
7	Output waveform	-	LVDS			-	
8	LVDS Output Voltage (AC Mode)	V <sub>O</sub>	0.5	0.7	0.9	V	Swing (Diff)
9	Rise/Fall Time	Tr/Tf			0.2	ns	@20% -80%
10	Aging	-	-3		3	ppm	First Year at 25°C
11	Output Enable	V <sub>IH</sub>	0.7*Vdd			V	
	Output Enable Time	T <sub>E</sub>			20	us	
	Output Disable	V <sub>IL</sub>			0.3*Vdd	V	
	Output Disable Time	T <sub>D</sub>			3	us	
12	Duty Cycle	-	45~55			%	
13	Start-Up Time	Tstart			10	ms	Time from 0.9xV <sub>DD</sub> until output frequency (F <sub>CLK</sub> ) within spec
14	Phase Jitter(RMS)			0.045		ps	12kHz to 20MHz
15	Phase Noise	-		-107		dBc/Hz	1KHz
				-138			10KHz
				-155			100KHz
				-161			1MHz
				-162			10MHz

## 2、 Mechanical Structure



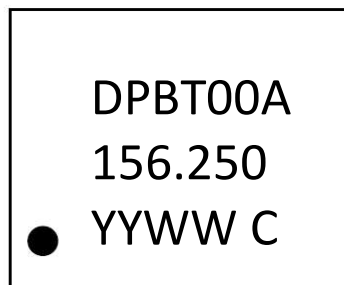
Dimensions	Min	Nom	Max
A	2.5 BSC		
B	3.2 BSC		
C	1.09	1.16	1.23
W	0.55	0.6	0.65
L	0.5	0.55	0.6
W1	0.35	0.4	0.45
L1	0.35	0.4	0.45
e	1.1 BSC		
D1	2.2 BSC		
Package Edge Tolerance	0.1		
Mold Flatness	0.1		
Coplanarity	0.08		

### 3、Pin Description



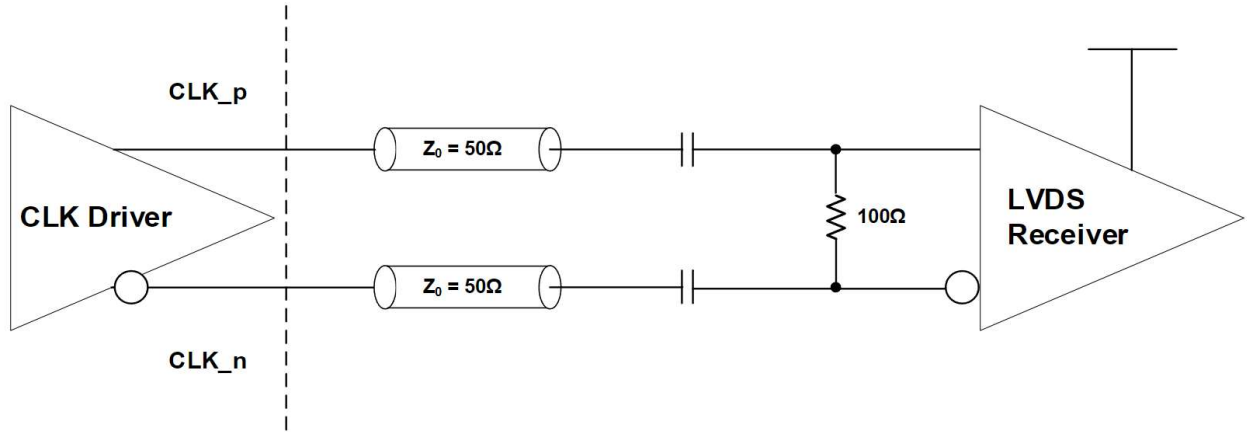
Pin	No	Function	Description
1	NC	NC	No Connect
2	OE	INPUT	Output Enable
3	GND	Power	Ground
4	CLK-	Output	Complementary Oscillator Output
5	CLK+	Output	Oscillator Output
6	VDD	Power	Power Supply VDD
7	NC	NC	No Connect
8	NC	NC	No Connect

### 4、Marking



Line	Position	Description
1	DPBT00A	Part Number
2	156.250	Frequency
3	YYWW	Data code
	C	Output format
	●	Pin 1

## 5、 Test Circuit



AC-Coupled LVDS

## 6、 Reflow Soldering Curve (RoHS)

