Customer Code :

DATASHEET

DAPU P/N: **DPC53125M000AJA2**

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Jack	David	William	
Date: 2023.05.13			

Guangdong Dapu Telecom Technology Co.,Ltd

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1、 Electrical Paramete

MODEL： DPC53125M000AJA2

No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL		125.00		MHz	
2	Supply Voltage	V_{DD}	3.135	3.3	3.465	V	
3	Frequency Tolerance	-	-20		+ 20	$\times 10^{-6}$	At 25℃
4	Frequency Stability	-	-25		+ 25	$\times 10^{-6}$	Over Operating Temperature Range（Reference 25℃）
5	Operating Temperature	T-opr	-55	~	+85	℃	
6	Storage Temperature	T-stg	-55	~	+125	℃	
7	Current Consumption	I_{DD}/OE			40	mA	Output Enabled
8	Output Load Condition	-		100		Ω	Between outputs
9	Again	-	-3		+3	$\times 10^{-6}$	At 25 °C, 3.3 V, First year
Enable Feature							
10	“H” Input Voltage	VIH	V_{DD}*0.7			V	
11	“L” Input Voltage	VIL			V_{DD}*0.3	V	
12	E/D(#1 pin E/D)	Logic “1”or Floating ,Outputs enable; Logic “0” ,Outputs disable					
Output LVDS							
13	“H” Output Voltage	V_{OH}			1.6	V	
14	“L” Output Voltage	V_{OL}	0.9			V	
15	Output Voltage Swing	Vos	0.3			V	
16	Duty Cycle	DC	45		55	%	
17	RMS Jitter	-			200	fs	12KHz to 20MHz

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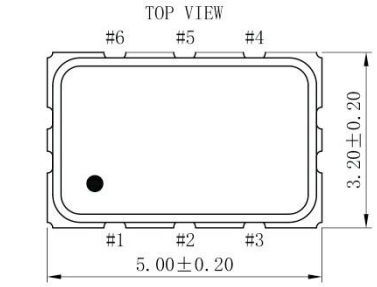
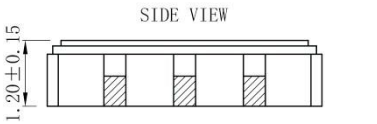
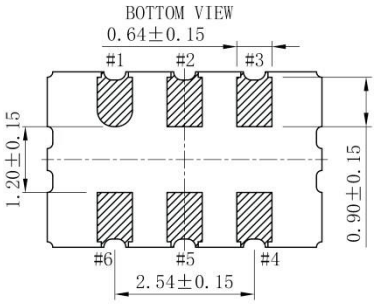
2、Mechanical Structure

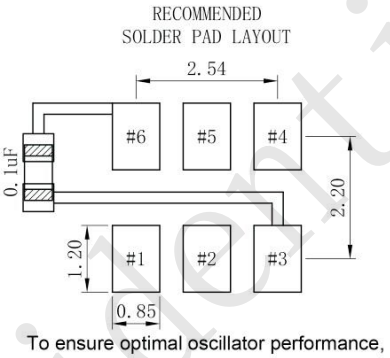






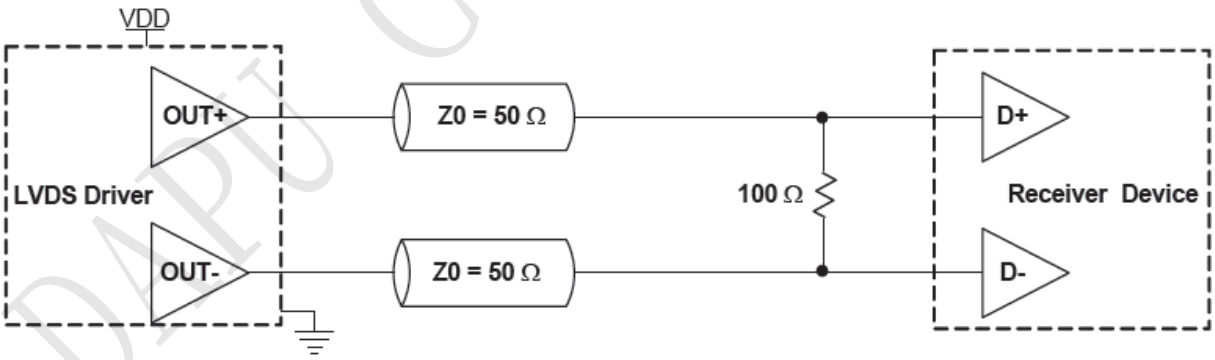
PAD CONNECTIONS

PAD	FUNCTION
#1	Tri-State or N/C
#2	N/C
#3	GND
#4	R. F. Output
#5	Complimentary R. F. Output
#6	+VDC



To ensure optimal oscillator performance, place a by-pass capacitor of 0.1uF as close to the part as possible between +VDC and GND pads.

3、Test Circuit



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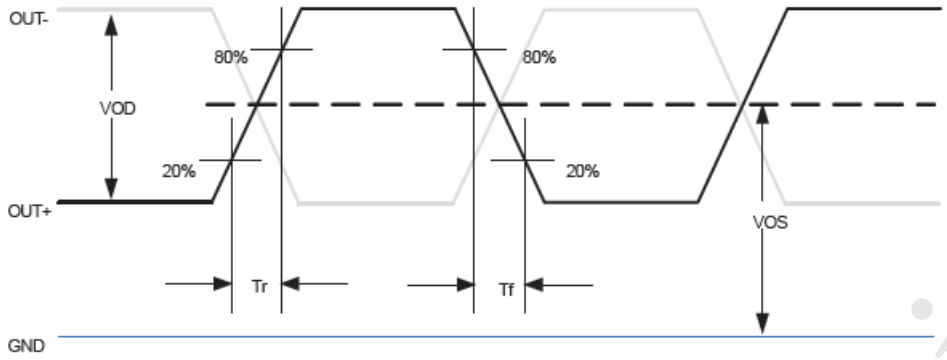
4、Output Waveform



5、Reflow Soldering Curve (RoHS)