Travelling Merchant:_____

DATASHEET

Standard: **VC936B-CEAD-76.80MHz**

Plot			The Label
Drawing	Auditing	Approve	
Date:			Stamp, please! Thanks!

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The parameter of product

MODEL：VC936B-CEAD-76.80MHz

1. Output

1.1. Frequency	76.80MHz
1.2. Waveform	LVPECL
1.3. Symmetry	45%~55%　@1,65 V
1.4. Rise / Fall time (20%~80%)	1ns max.
1.5. Load	50 Ω
1.6.Jitter	≤1ps RMS (12KHz ~20MHz)
1.7. Harmonics	<-12dBc

2. Frequency Stability

2.1. Tolerance vs. Temperature Rang	≤±3.0x10^{-5}　@-40°C ~ +85°C ,ref. to 25 °C
2.2. Tolerance vs. Supply Voltage	≤±5.0x10^{-6}　@3.3VDC±5%
2.3. Stability vs. Load change	≤±1.0x10^{-6}　@Load±10%
2.4. Aging	≤±5.0x10^{-6}/ frist year

3. Voltage

3.1. Supply Voltage	+3.3VDC±5%

4. Current

4.1. Supply current	≤65mA (Typical)

5. Electrical frequency adjustment

5.1. Control Voltage = 0.2 V	-45ppm~-110ppm
5.2. Control Voltage = 1.65 V	-10ppm~+10ppm
5.3. Control Voltage = 3.1 V	+45ppm~+110ppm
5.4. Linearity	≤±20%
5.5. Input impedance	≥1M Ω
5.6. Slope	Positive

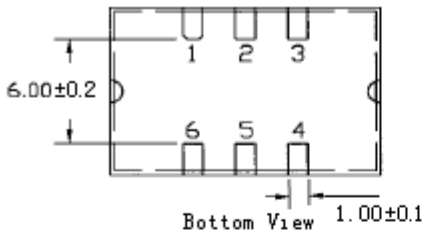
6. Phase noise(Typical)

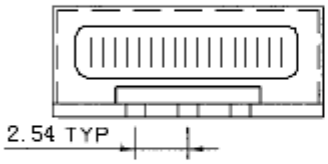
6.1. 10Hz	-80dBc/Hz
6.2. 100Hz	-100dBc/Hz
6.3. 1 KHz	-126dBc/Hz
6.4. 1 0KHz	-140dBc/Hz
6.5. 1 00KHz	-145dBc/Hz

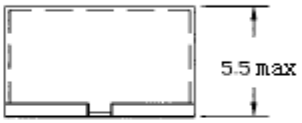
7. Temperature

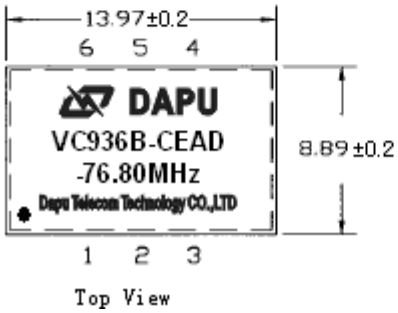
7.1. Operable temperature range	-40°C to +85°C
7.2. Storage temperature range	-55°C to +125°C

8. Mechanical









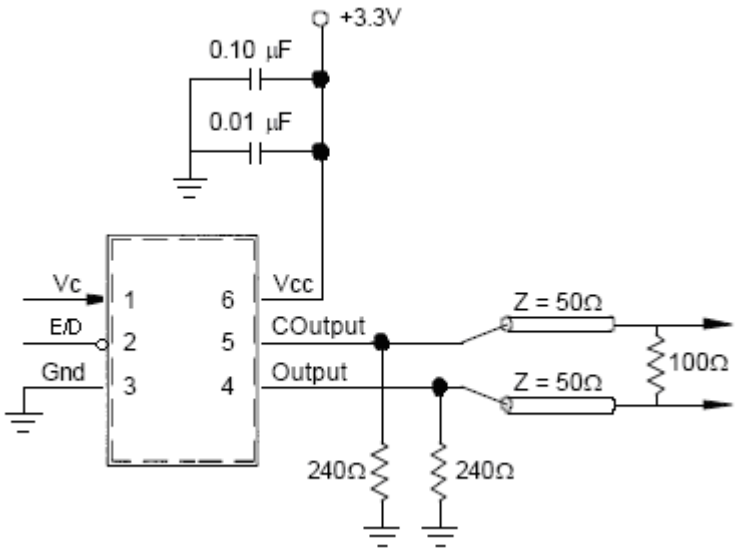
PIN FUNCTION

1	VOLTAGE CONTROL
2	E/D
3	GND
4	OUTPUT
5	$\overline{\text{OUTPUT}}$
6	Vcc

Note： Enable: “0” or open
Disable: “1”

Unit : mm

9. Suggested output load configuration



LV-PECL to LV-PECL**:** For short transmission lengths, the power consumption could be reduced by removing the 100Ω resistor and doubling the value of the pull down resistors.

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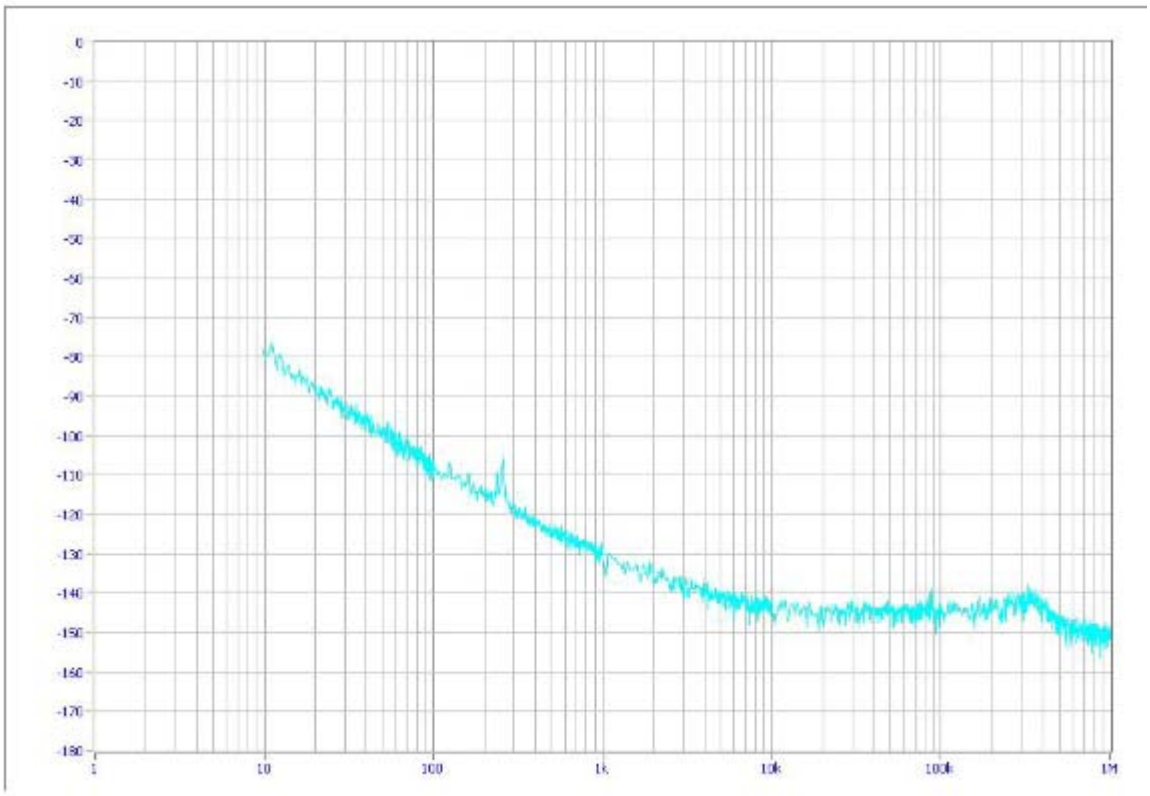
10. Phase noise



11. Recommended Reflow Profile