Travelling Merchant:_____

DATASHEET

Standard: **VC936J-AEAD-122.88MHz**

Plot			The Label
Drawing	Auditing	Approve	
Date: 09-06-04			Stamp, please! Thanks!

Dongguan Dapu Telecom Technology Co.,Ltd

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The parameter of product

MODEL：VC936J-AEAD-122.88MHz

1. Output

1.1. Frequency	122.88MHz
1.2. Waveform	LVPECL
	Voh≥Vcc-1.1V ， Vol≤Vcc-1.5V
1.3. Symmetry	45%~55%
1.4. Load	50Ω to +1.3VDC
1.5.Jitter	≤1ps RMS (12KHz ~20MHz)

2. Frequency Stability

2.1. Tolerance vs. Temperature Range	≤±3.0x10^{-5}	@-40°C ~ +85°C , ref. to 25 °C
2.2. Frequency Tolerance	≤±1.0 x10^{-5}	@25 °C, VC=1.65V
2.3. Tolerance vs. Supply Voltage	≤±5.0 x10^{-6}	@3.3VDC±5%
2.4. Stability vs. Load change	≤±1.0 x10^{-6}	@Load±10%
2.5. Aging	≤±5.0x10^{-6}/ first 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	0~3.3VDC (VC=1.65VDC)
5.2. Frequency Control Range	≥±100ppm
5.3. Linearity	≤±20%
5.4. Input impedance	≥100KΩ
5.5. Slope	Positive

6. Phase noise(Typical)

6.1. 10Hz	-80dBc/Hz
6.2. 100Hz	-100dBc/Hz
6.3. 1 KHz	-125dBc/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	-45°C to +90°C

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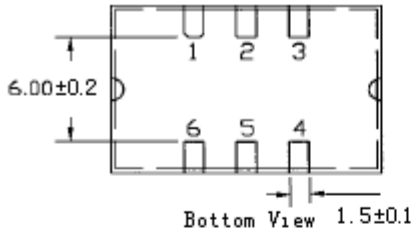
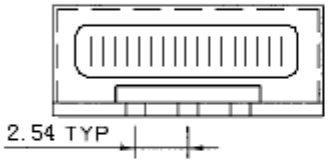
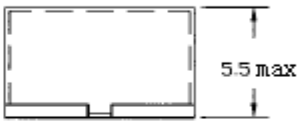
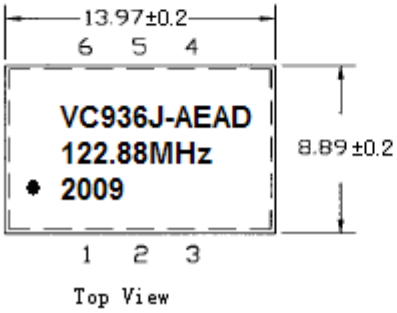
8. Mechanical









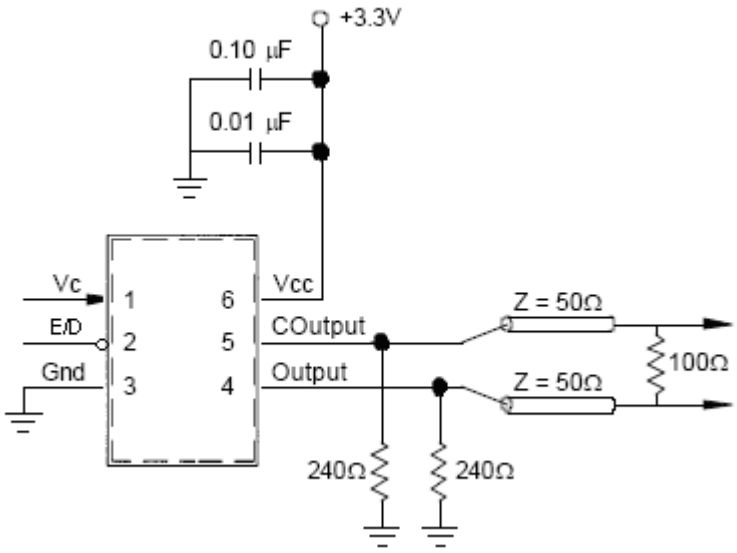
PIN FUNCTION

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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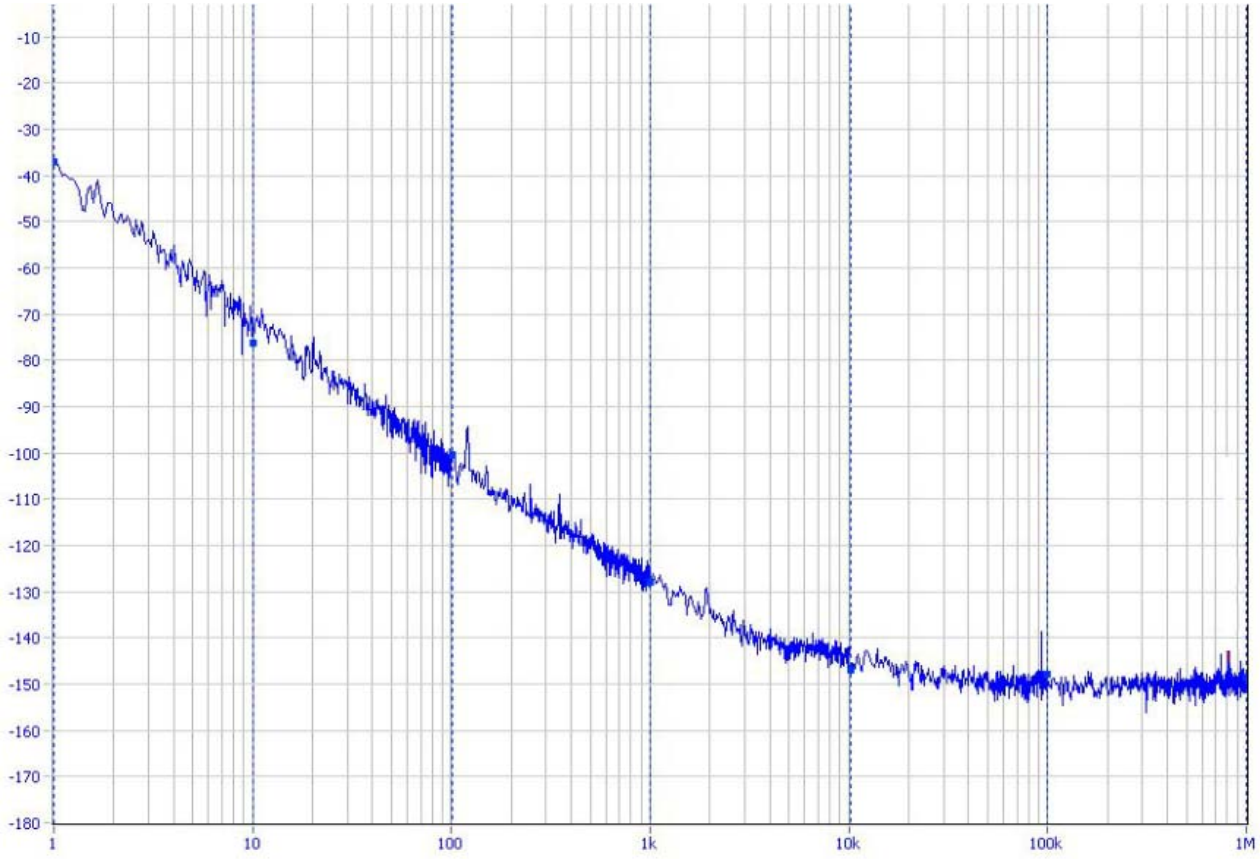
10. Phase noise



11. Recommended Reflow Profile