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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Free

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	$\leq\pm3.0x10^{-5}$	@-40°C ~ +85°C , ref. to 25 °C
2.2. Frequency Tolerance	$\leq\pm1.0 x10^{-5}$	@25 °C, VC=1.65V
2.3. Tolerance vs. Supply Voltage	$\leq\pm5.0 x10^{-6}$	@3.3VDC±5%
2.4. Stability vs. Load change	$\leq\pm1.0 x10^{-6}$	@Load±10%
2.5. Aging	$\leq\pm5.0x10^{-6}$/ 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	

2014.03.19

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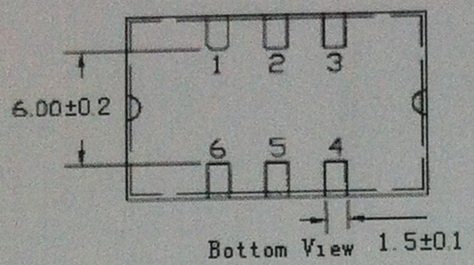
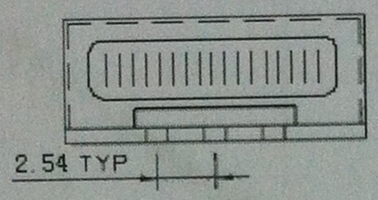
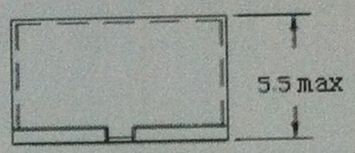
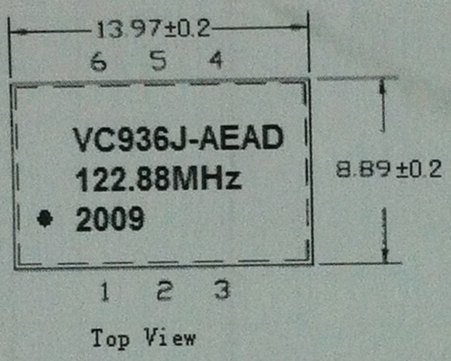
8. Mechanical









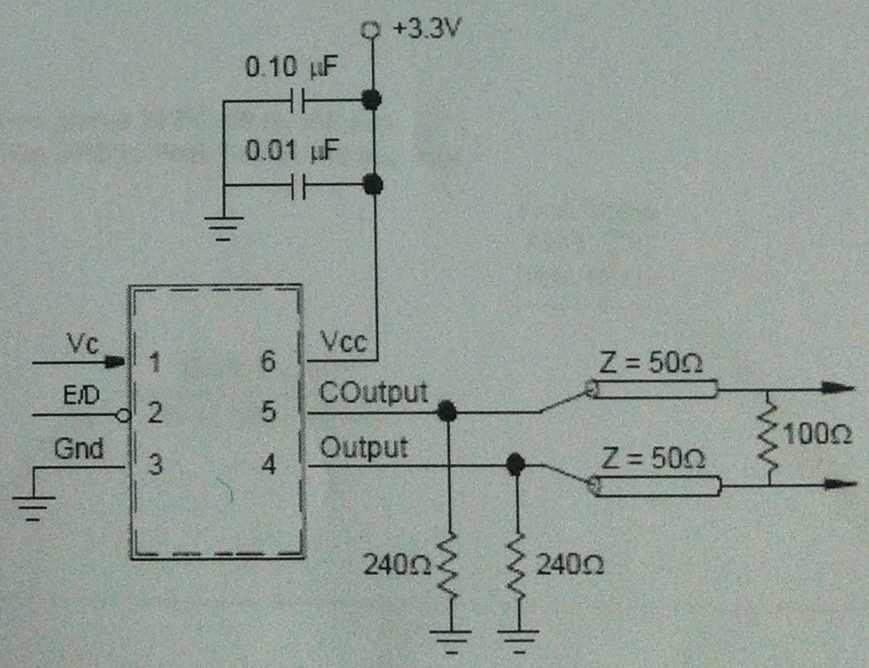
PIN FUNCTION

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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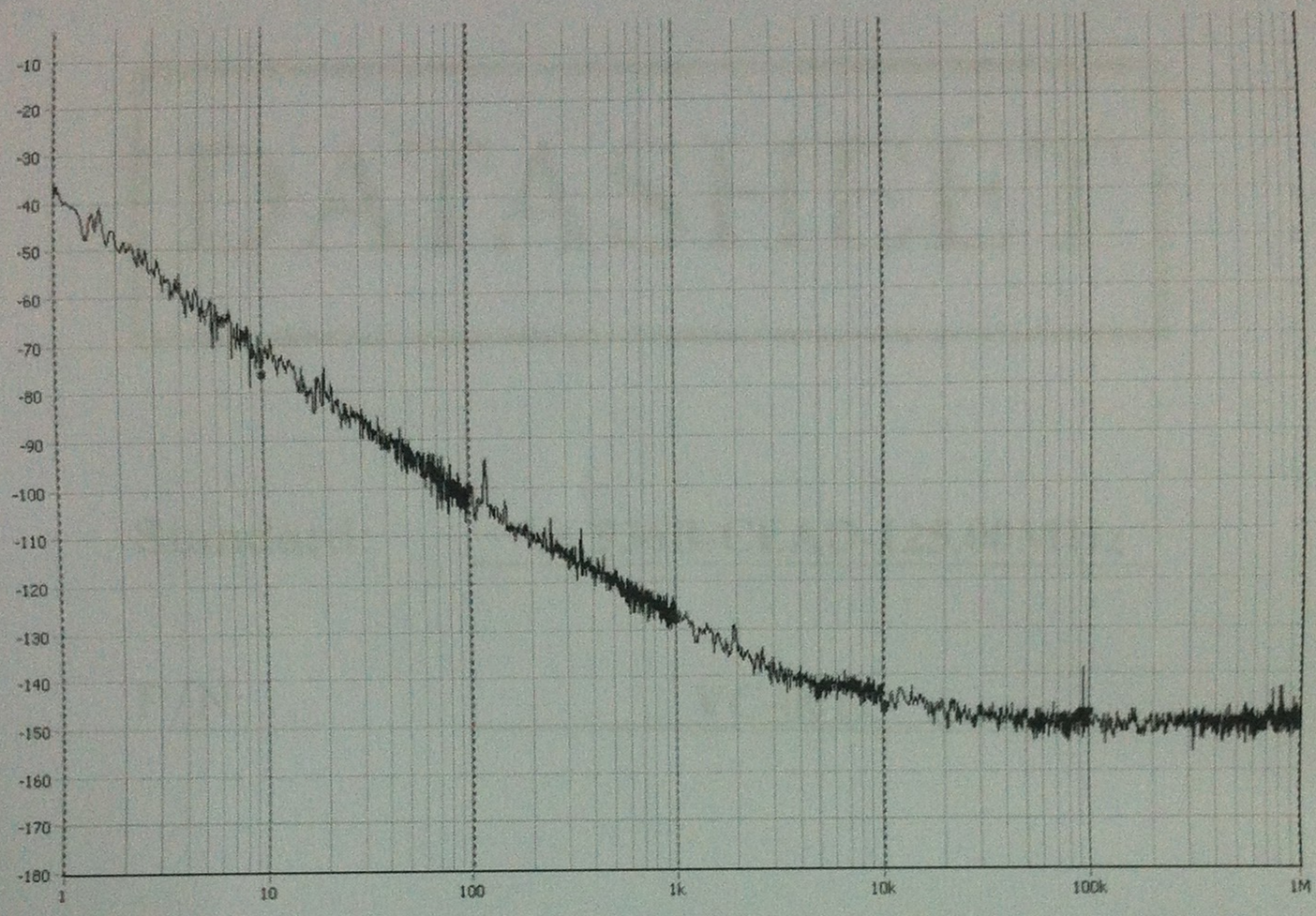
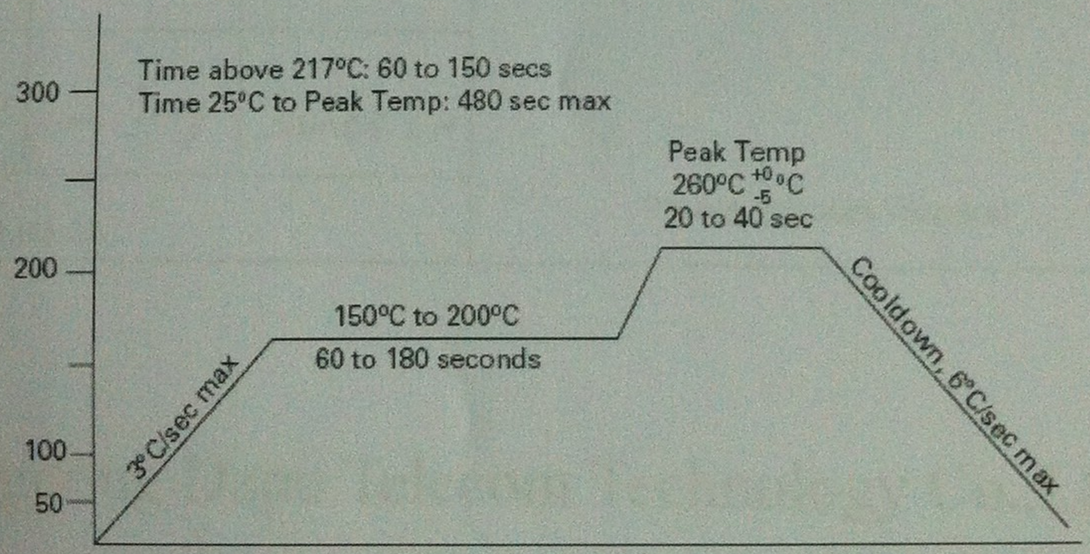
10. Phase noise



11. Recommended Reflow Profile



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