

Travelling Merchant: _____

DATASHEET

Standard: **V756-N711-61.44MHz**

P/N: _____

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2014.04.17			

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1. Electrical Parameters

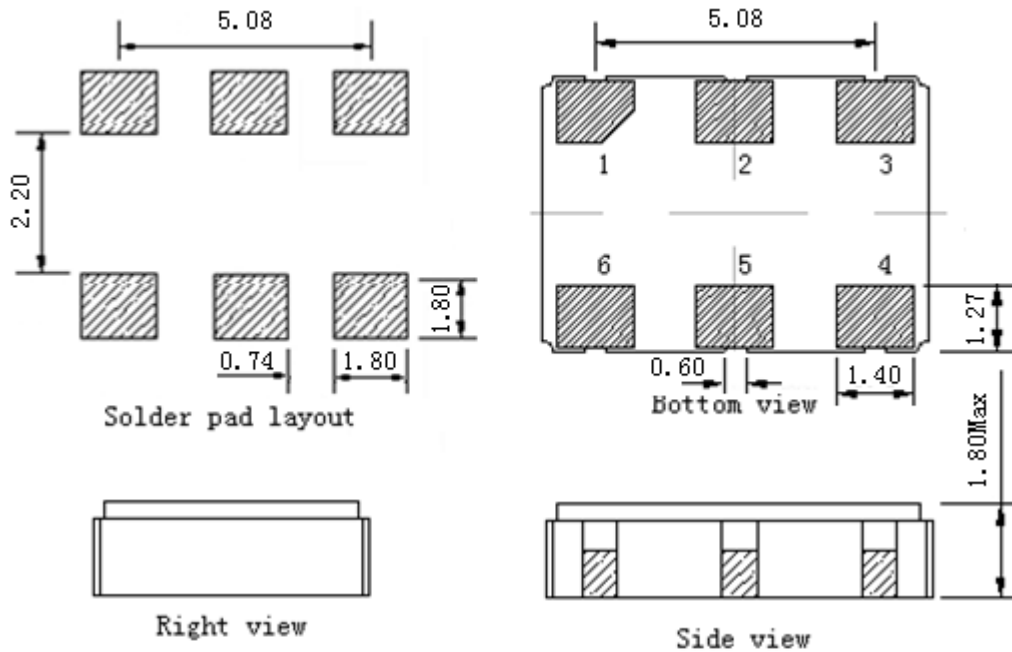
MODEL: V756-N711-61.44MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency	61.44			MHz	
	Output Waveform	LVDS				
	Differential Output		350		mV	
	Duty Cycle	45	50	55	%	@50%
	Rise / Fall Time (20%~80%)			0.35	ns	@25°C
	Load	100			Ω	
	Jitter		0.6		ps	RMS (12KHz ~20MHz)
	Start up time			10	ms	
Frequency Stabilities	Overall Stability	-25		+25	$\times 10^{-6}$	Inclusive of the following: - operating temperature -40°C to 85°C - Initial Tolerance @25°C - 3.3V ±5% - 15pF load ±10% - 1 year aging reference to nominal frequency
Power Supply	Current Consumption			20	mA	@25°C, O _{Load} =100Ω.
	Supply Voltage	2.97	3.3	3.63	V	
Voltage Control Characteristics	Frequency Tuning Range	-160		-60	$\times 10^{-6}$	V _c = 0.3V. measurement referenced to V _c =1.65V
		-5		+5	$\times 10^{-6}$	V _c =1.65V. measurement referenced to exactly 61.44MHz
		+60		+160	$\times 10^{-6}$	V _c =3.0V. measurement referenced to V _c =1.65V
	Linearity			10	%	
	Slope	Positive				
	Input Impedance	1			MΩ	



Phase Noise	Phase Noise @25°C		-75		dBc/Hz	10Hz
			-105			100Hz
			-120			1KHz
			-130			10KHz
			-135			100KHz
Environmental Conditions	Operable Temperature	-40		+85	°C	
	Storage Temperature	-55		+105	°C	
	ESD Level	Human Body Model, class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010. Machine Model, class B: 200V to 400V; ANSI/ESDA/JEDEC JS-001-2010.				
	Moisture Sensitivity Level	Level 2.				
	Vibration	Test Condition: 0.75mm ;acceleration:10g;10Hz~2000Hz, one cycle per 30 min, test 2 hour. (3 times for each 3 directions X ,Y , Z), IEC 68-2-06 Test Fc.				
	Shock	100g; 6ms; half sine wave (3 times for each 3 directions X ,Y , Z),IEC 68-2-27 Test Ea/Severity 50A.				

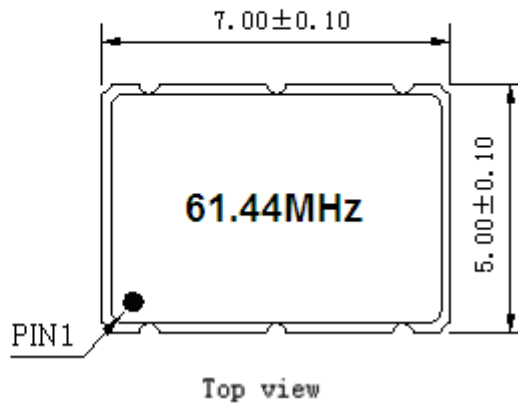


2. Mechanical Structure (mm)



PIN FUNCTION

PIN	FUNCTION
1	VC
2	E/D
3	GND
4	OUTPUT
5	$\overline{\text{OUTPUT}}$
6	VCC



Note1: Tolerance ± 0.1 mm without mark

Note2: Referential Weight 0.2g

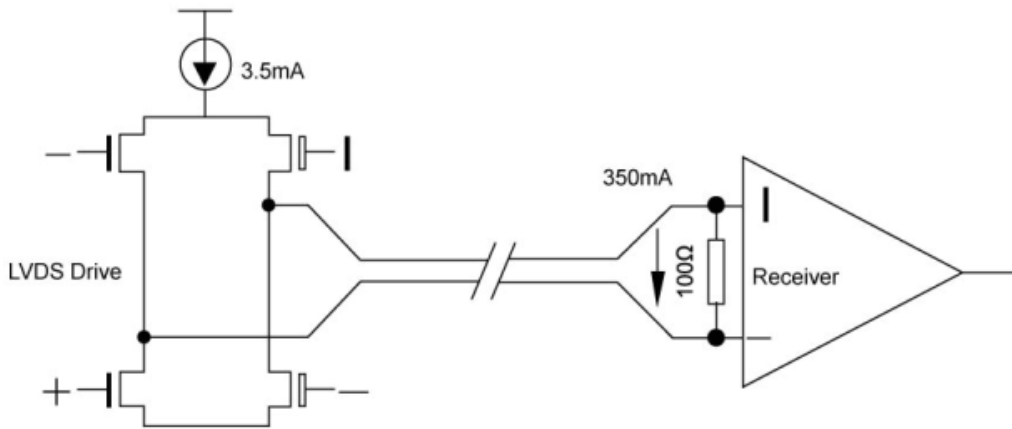
Note3: Disable: $V_{il} \geq 0.9V$

Enable: $V_{ih} \leq 1.6V$

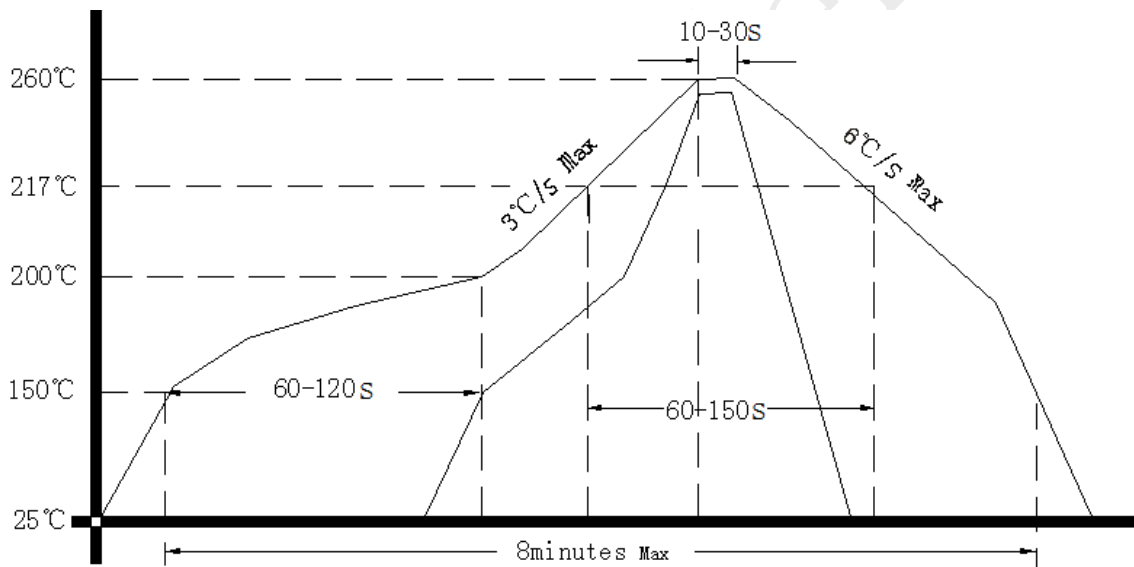
E/D	OUT1	OUT2
high level, open	data	data
low level, GND	no data	no data



3. Test Circuit



4. Reflow Soldering Curve (RoHS)



5. Package: Tape & Reel (mm)

