

Travelling Merchant: _____

DATASHEET

Standard: **V756-B611-125.00MHz**

P/N: _____

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2013.05.24			

Guangdong Dapu Telecom Technology Co.,Ltd

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, China

TEL: 0086-0769-88010888 FAX: 0086-0769-81800098



1. Electrical Parameters

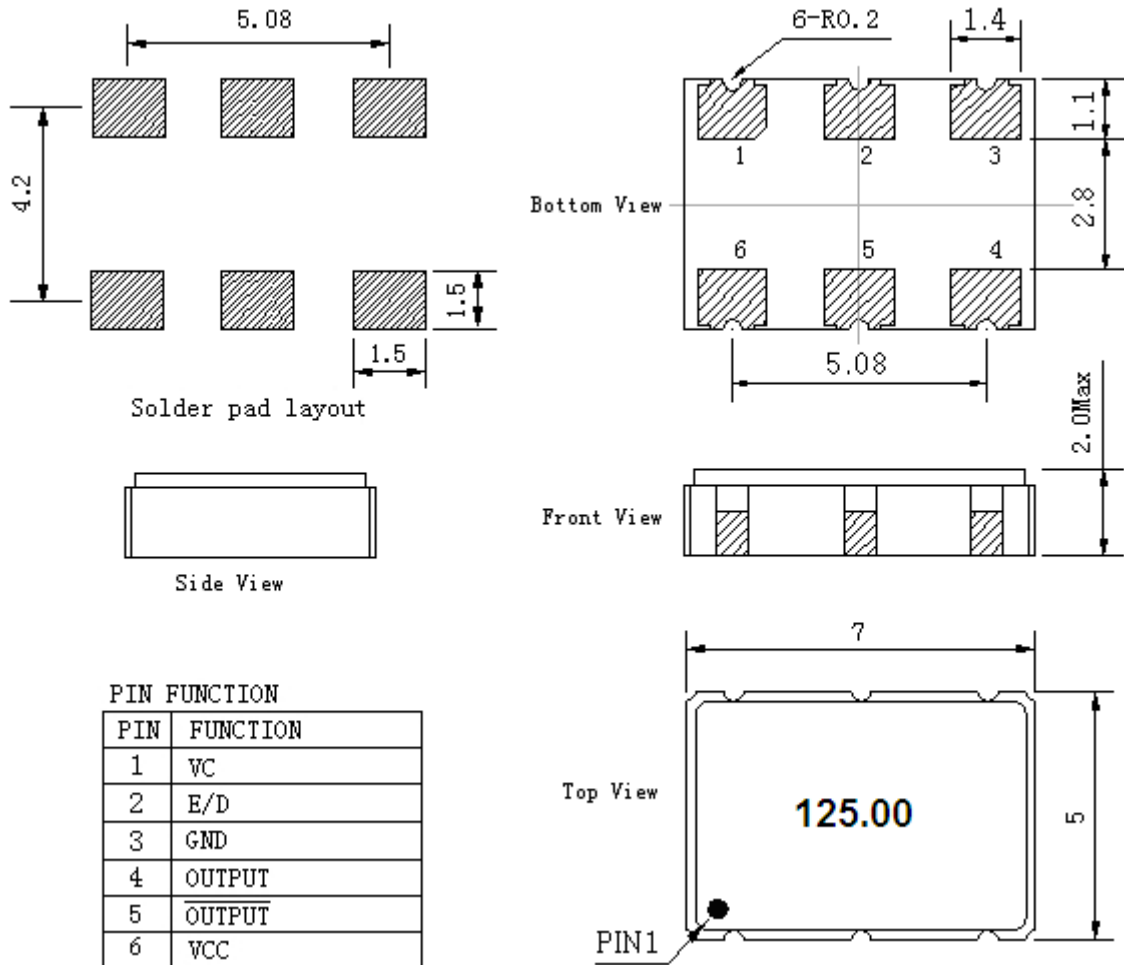
MODEL: V756-B611-125.00MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max		
Output	Frequency	125.00			MHz	
	Output Waveform	LVPECL				
	Output Low Voltage			1.68	V	@25°C, V _{cc} =3.3V(see the following chart 3)
	Output High Voltage	2.275			V	@25°C, V _{cc} =3.3V(see the following chart 3)
	Duty Cycle	45	50	55	%	@50%, measurement at V _c =1.65V
	Rise / Fall Time (10%~90%)			1	ns	@25°C
	Load	50			Ω	
	Jitter			1	ps	RMS (12KHz ~20MHz)
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-30		+30	× 10 ⁻⁶	T _A varied from-40°C to 85°C, measurement referenced to frequency observed with T _A =25°C, V _{cc} =3.3V, V _c =1.65V, O _{load} =50Ω, Connect to VCC-2.0V.
	Initial Frequency Tolerance	-15		+15	× 10 ⁻⁶	Measurement referenced to frequency observed with T _A =25°C, V _{CC} =3.3V, V _C =1.65V and after 5s of operation, within 30 days after ex-works.
	Frequency Tolerance vs. Supply Voltage	-3		+3	× 10 ⁻⁶	measurement referenced to frequency observed T _A =25°C, V _{cc} varied from 3.13V to 3.47V, V _C =1.65V and O _{Load} =50Ω Connect to VCC-2.0V.
	Frequency Tolerance vs. Load	-1		+1	× 10 ⁻⁶	10% load change measurement referenced to frequency observed with T _A =25°C, V _{CC} =3.3V, V _C =1.65V and O _{Load} =50Ω Connect to VCC- 2.0V.
	Aging Tolerance 1 Year	-3		+3	× 10 ⁻⁶	V _{CC} , V _C , T _A constant measurement referenced to frequency observed with
	Aging Tolerance 15 Years	-10		+10	× 10 ⁻⁶	T _A =25°C, V _{CC} = 3.3V, V _C =1.65V and after 30 days of operation.
Power Supply	Current Consumption		65		mA	@25°C, V _{cc} =3.3V, V _C =1.65V, O _{Load} =50Ω Connect to VCC-2.0V .
	Supply Voltage	3.13	3.3	3.47	V	



Voltage Control Characteristics	Frequency Tuning Range	-200		-100	$\times 10^{-6}$	$V_c=0V$. measurement referenced to $V_c=1.65V$
		-15		+15	$\times 10^{-6}$	$V_c=1.65V$. measurement referenced to exactly 125.00MHz
		+100		+200	$\times 10^{-6}$	$V_c=3.3V$. measurement referenced to $V_c=1.65V$
	Linearity			20	%	
	Slope	Positive				
	Input Impedance	1				MΩ
Phase Noise	Phase Noise		-100		dBc/Hz	100Hz
			-120			1KHz
			-135			10KHz
			-140			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)



Note1: Tolerance $\pm 0.1\text{mm}$ without mark

Note2: Referential Weight 0.3g

Note3: Enable/ Disable

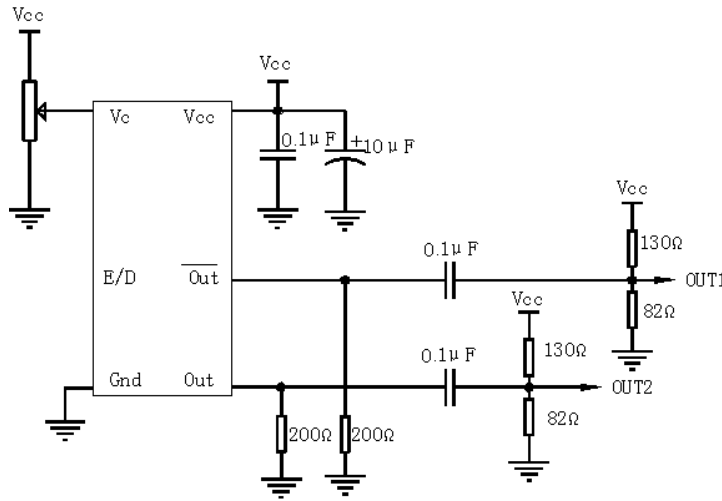
Input Level: $V_{ih} \geq V_{CC} - 1.025V$

$V_{il} \leq V_{CC} - 1.62V$

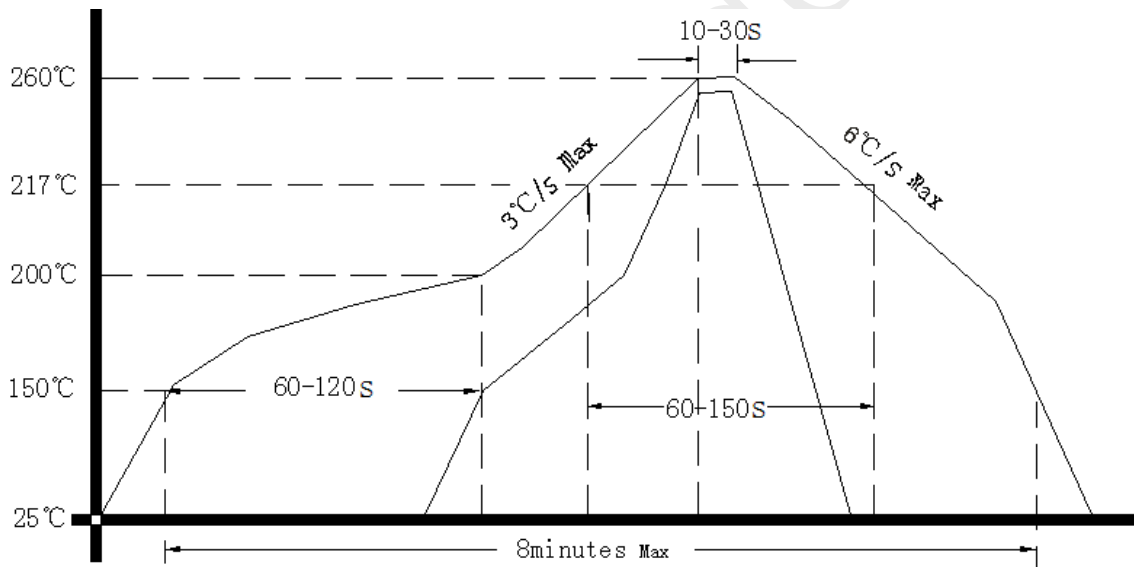
E/D	OUT1	OUT2
Low Level, Open	Data	Data
High Level	Logic low	Logic high



3. Test circuit



4. Reflow Soldering Curve (RoHS)



5. Package: Tape & Reel (mm)

