Travelling Merchant:_____

DATASHEET

Standard: **V756-D311-50.00MHz**

P/N: _____

Plot			The Label
Drew	Audited	Approved	
Amway.wei	Carry.Wang	James.Liu	
Date：2018.11.06			Stamp, please! Thanks!

Guangdong Dapu Telecom Technology Co.,Ltd

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Table of amendment

Version	Revision contents	Prepared by	Revised date
1.0	The first issued	Amway	2018.11.06

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1. Electrical Parameters

MODEL： V756-D311-50.00MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency		50.00		MHz	
	Output Waveform		HCMOS			
	Output Low Voltage			0.1 V_{cc}	V	V_{cc}=3.3V, O_{load}=15 pF
	Output High Voltage	0.9 V_{cc}			V	V_{cc}=3.3V, O_{load}=15 pF
	Duty Cycle	45	-	55	%	@50%
	Rise / Fall Time （10%~90%）			5	ns	@25℃
	Load		15		pF	
	Start Time			1	ms	
	Phase Jitter			1	pS	
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-15		+15	$\times 10^{-6}$	T_A varied from-40℃ to 85℃, measurement referenced to frequency observed with T_A = 25℃, V_{cc}= 3.3V, V_c=1.65V, O_{load}= 15pF, temperature variable speed less than 2℃per minute.
	Frequency Tolerance at 25℃	+30		+50	$\times 10^{-6}$	Measurement referenced to frequency observed with T_A=25℃,V_{cc}=3.3V, V_c=1.65V within 30 days after ex-works.
	Aging Tolerance 1 Year	-3		+3	$\times 10^{-6}$	T_A=25℃, V_{cc}=3.3V, V_c=1.65V and after 1h of operation.
Power Supply	Current Consumption			12	mA	@25℃, V_{cc}=3.3V, V_c=1.65V, O_{load}=15pF.
	Supply Voltage	2.97	3.3	3.63	V	

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Voltage Control Characteristics	Frequency Tuning Range			-100	$\times 10^{-6}$	V_c=0V. measurement referenced to V_c=1.65V
		+30		+50	$\times 10^{-6}$	V_c=1.65V. measurement referenced to exactly 50.00MHz
		+100			$\times 10^{-6}$	V_c=3.3V. measurement referenced to V_c=1.65V
	Linearity	-10		10	%	
	Slope	Positive				
	Input Impedance	2	5		MΩ	
Phase Noise	Phase Noise			-135	dBc/Hz	1KHz
				-155		100KHz
Environmental Conditions	Operable Temperature	-40	+25	+85	℃	
	Storage Temperature	-55		+125	℃	

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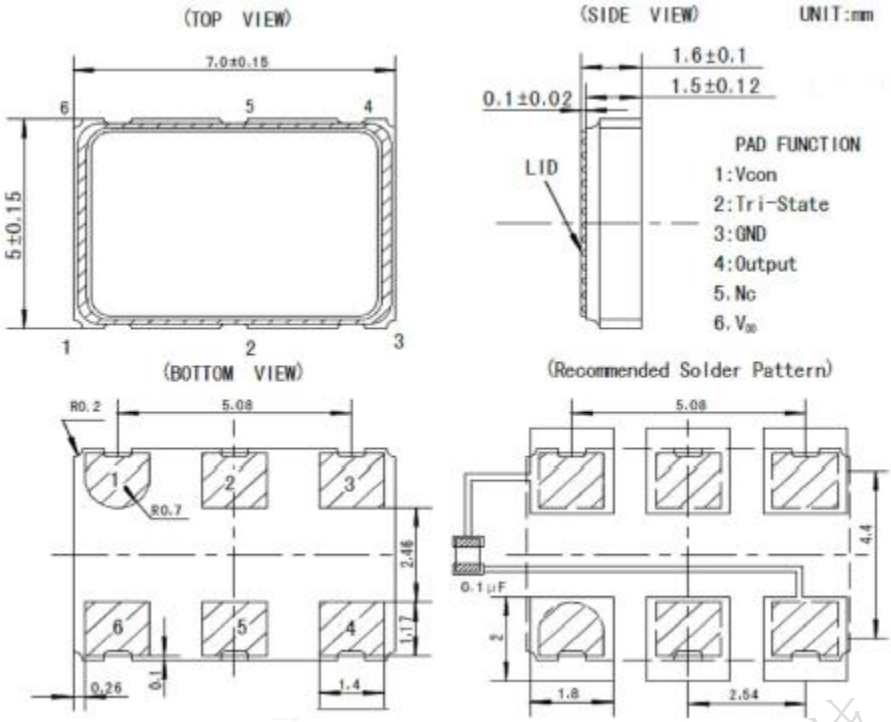
2. Mechanical Structure(mm)

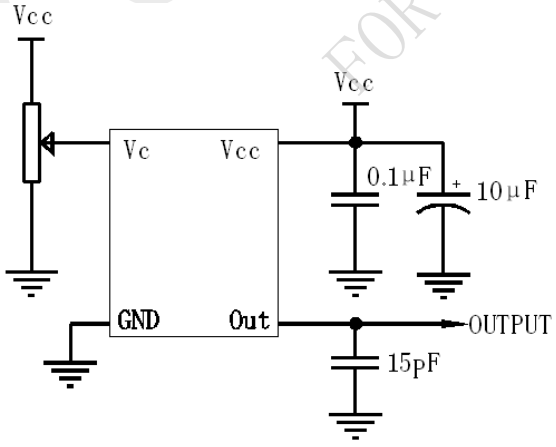


Note1: Tolerance ±0.1mm without mark

Note2: Referential Weight 0.2g

Note3: NC is not connect

3. Test circuit



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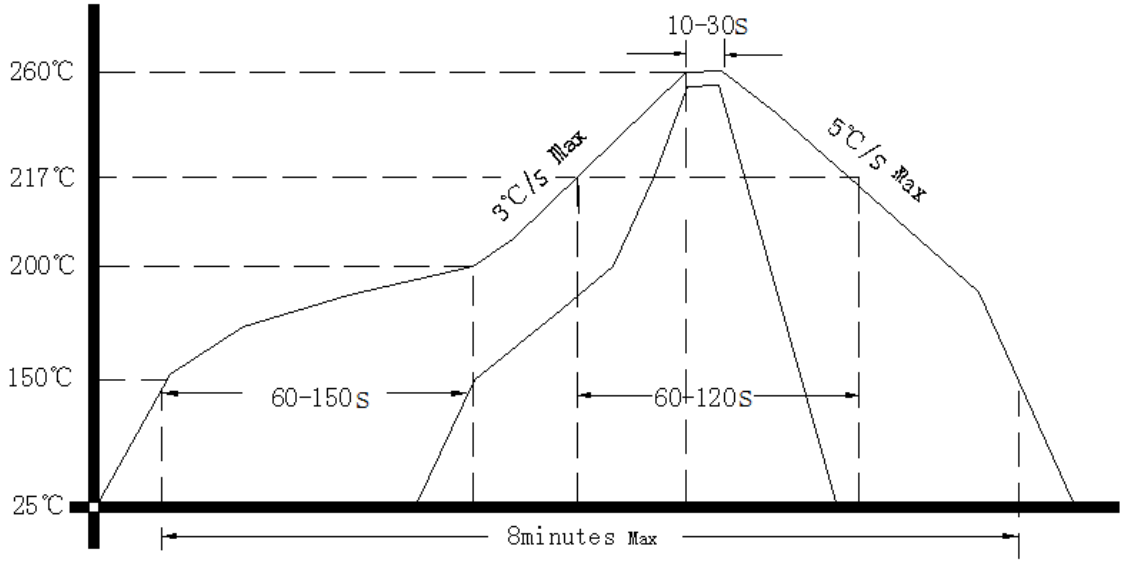
4. Reflow Soldering Curve (RoHS)



5. Package: Tape & Reel (mm)