Travelling Merchant:_____

DATASHEET

Standard: **OS756-M619-153.60MHz**

P/N: _____

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Amway.wei	Carry.Wang	James.Liu	
Date: 2014.03.03			

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Table of amendment

Version	Revision contents	Prepared by	Revised date
1.0	The first issued	Amway	2014.03.03

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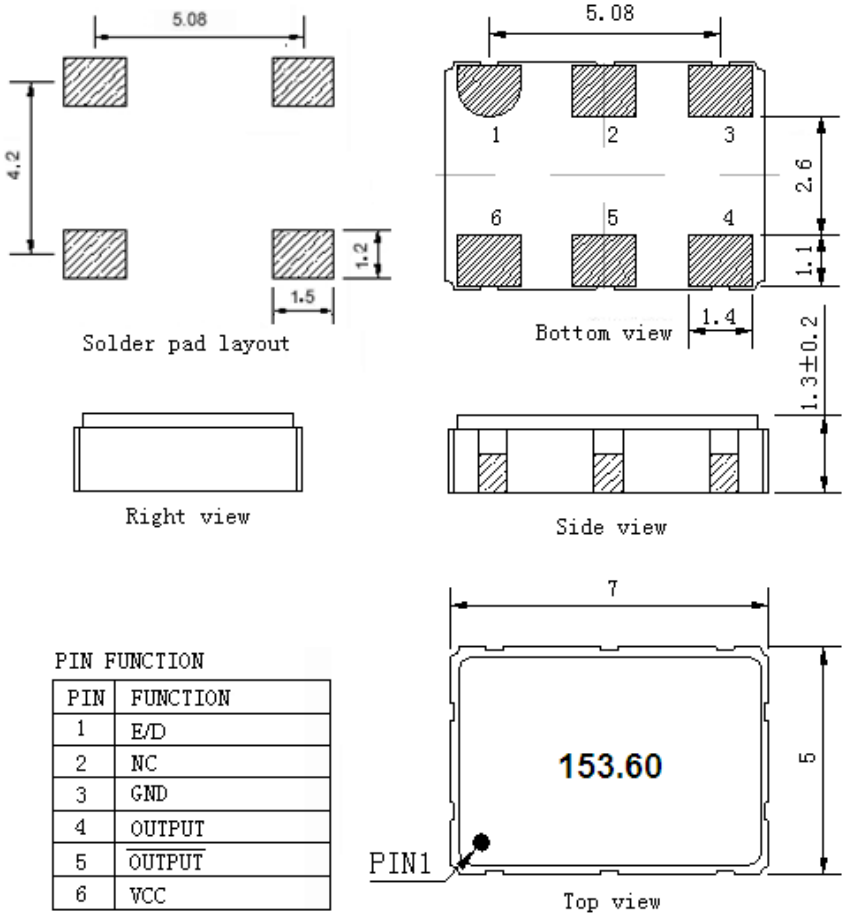
1. Electrical Parameters

MODEL: OS756-M619-153.60MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency		153.60		MHz	
	Output Waveform		LVPECL			
	Output Low Voltage			1.8	V	@25℃, V_{cc}=3.3V
	Output High Voltage	2.2			V	@25℃, V_{cc}=3.3V
	Duty Cycle	45	50	55	%	@50%
	Rise / Fall Time (20%~80%)			1	ns	@25℃
	Load		50		Ω	Connect to V_{cc}-2.0V
	Jitter			1	ps	RMS (12KHz ~20MHz)
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-50		+50	ppm	T_A varied from -10℃ to50℃, measurement referenced to frequency observed with T_A= 25℃, V_{cc}=3.3V, O_{load}=50ΩConnect to V_{cc}-2.0V, temperature variable speed less than 2℃per minute.
	Initial Frequency Tolerance	-5		+5	ppm	Measurement referenced to frequency observed with T_A = 25℃, V_{cc}= 3.3V within 30 days after ex-works.
	Frequency Tolerance vs. Supply Voltage	-5		+5	ppm	measurement referenced to frequency observed T_A=25℃, V_{cc} varied from 3.13V to 3.47V, and O_{Load}=50ΩConnect to V_{cc}-2.0V.
	Frequency Tolerance vs. Load	-3		+3	ppm	5% load change measurement referenced to frequency observed with T_A=25℃, V_{cc}=3.3V, and O_{Load}=50ΩConnect to V_{cc}-2.0V.
	Aging Tolerance 1 Year	-5		+5	ppm	T_A=25℃, V_{cc}=3.3V, and after 1h of operation.
Power Supply	Current Consumption			70	mA	@25℃, O_{Load}=50ΩConnect to V_{cc}-2.0V
	Supply Voltage	3.13	3.3	3.47	V	
Phase Noise	Phase Noise @25℃		-120	-115	dBc/Hz	1KHz
Environmental Conditions	Operable Temperature	-10		+50	℃	
	Storage Temperature	-55		+105	℃	

	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	E/D
2	NC
3	GND
4	OUTPUT
5	$\overline{\text{OUTPUT}}$
6	VCC

Note1: Tolerance ±0.1mm without mark

Note2: Referential Weight 0.2g

Note3: NC is not connect

Note4: Enable：Vih≥V_{CC}-1.025V

Disable：Vil≤V_{CC}-2.0V

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

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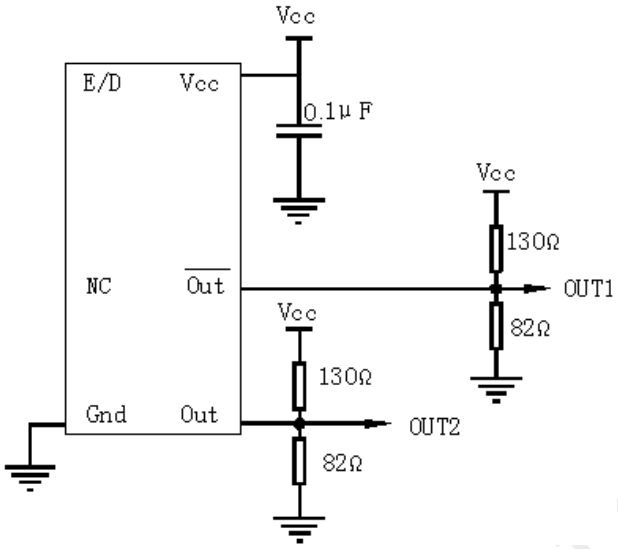
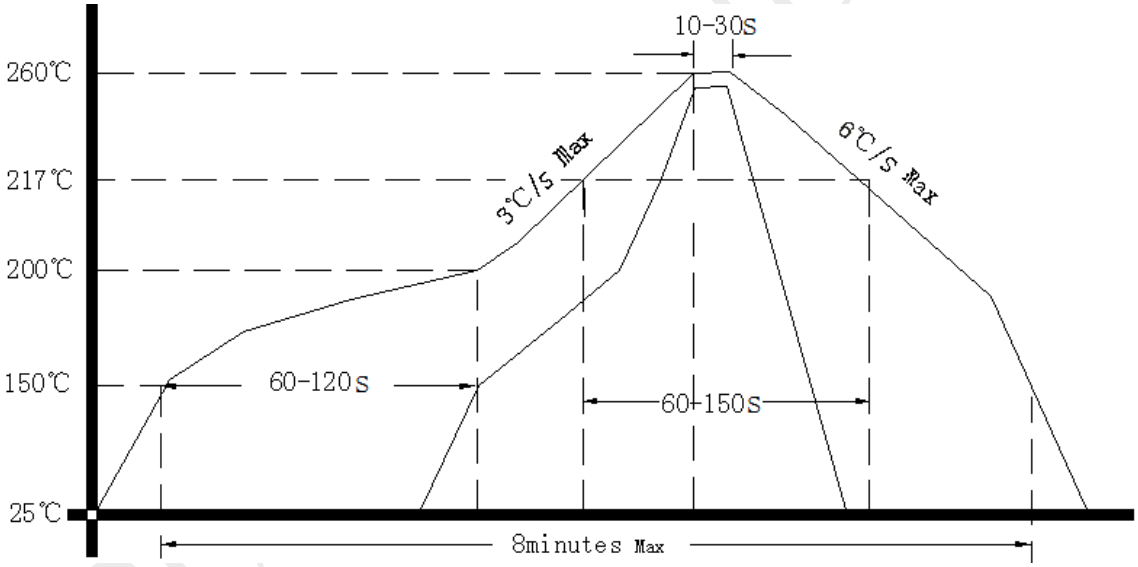
3. Test Circuit



4. Reflow Soldering Curve (RoHS)



6. Package: Tape & Reel (mm)