Travelling Merchant:_____

DATASHEET

Standard: **M11A-MSAN-40.00MHz**

P/N: _____

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Amway.wei	Carry.Wang	James.Liu	
Date: 2012.01.12			

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

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, PRC China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

Table of amendment

Version	Revision contents	Prepared by	Revised date
1.0	The first issued	Amway	2012.01.12

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, PRC China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

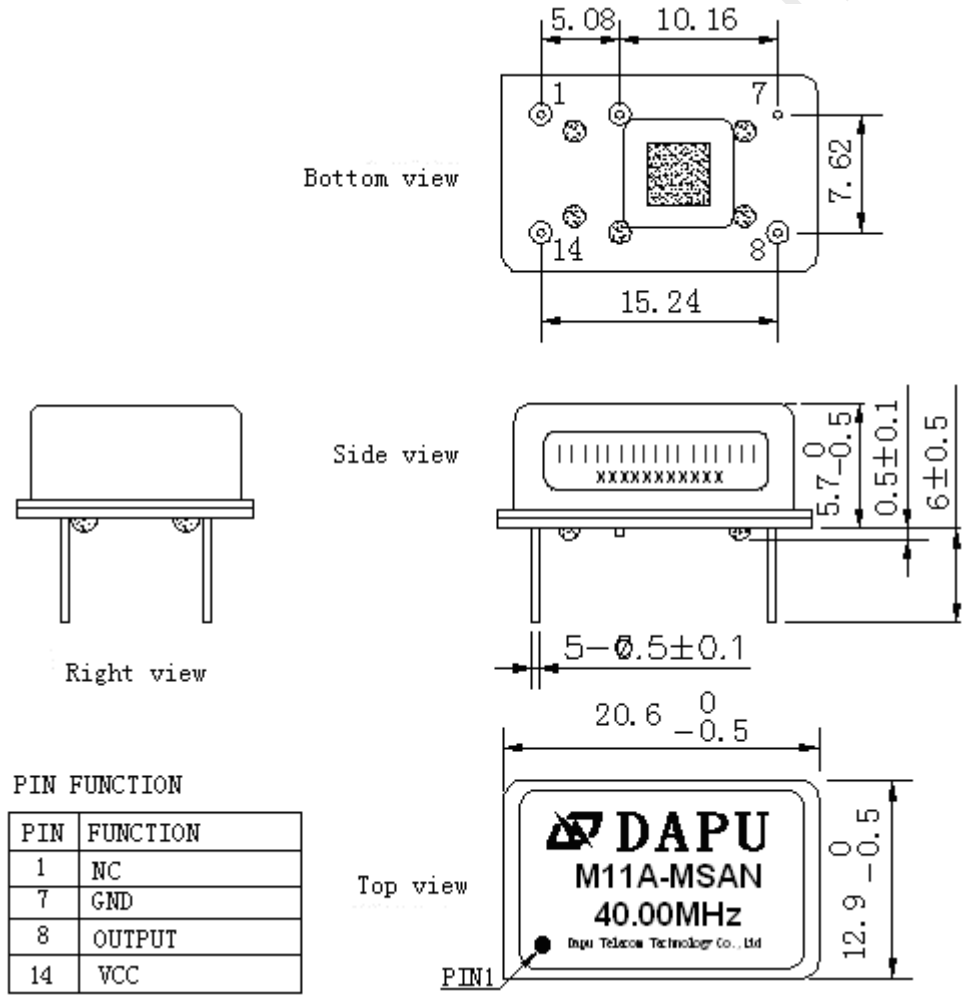
1. Electrical Parameters

MODEL： M11A-MSAN-40.00MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency		40.00		MHz	
	Output Waveform		Sine Wave			
	Pk-pk	2			V	
	Harmonics Suppression			-30	dBc	
	Spurious Suppression			-60	dBc	
	Load		1		KΩ	
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-2		+2	$\times 10^{-6}$	T_A varied from-40℃ to 85℃,measurement referenced to frequency observed with T_A = 25℃, V_{cc}=3.3V, $O_{load=}$1KΩ, temperature variable speed less than 2℃per minute.
	Initial Frequency Tolerance	-1		+1	$\times 10^{-6}$	Measurement referenced to frequency observed with T_A = 25℃, V_{cc}=3.3V within 30 days after ex-works.
	Frequency Tolerance vs. Supply Voltage	-0.1		+0.1	$\times 10^{-6}$	measurement referenced to frequency observed T_A=25℃, V_{cc} varied from 3.13V to 3.47V, and O_{Load}=1KΩ.
	Frequency Tolerance vs. Load	-0.1		+0.1	$\times 10^{-6}$	5% load change measurement referenced to frequency observed with T_A= 25℃, V_{cc}=3.3V, O_{Load}=1KΩ.
	Aging Tolerance Per Day	-0.02		+0.02	$\times 10^{-6}$	T_A=25℃, V_{cc}=3.3V, and after 1h of operation.
	Aging Tolerance 1 Year	-1.5		+1.5	$\times 10^{-6}$	
Power Supply	Current Consumption		10		mA	@25℃, V_{cc}=3.3V, O_{load}=1KΩ.
	Supply Voltage	3.13	3.3	3.47	V	
Phase Noise	Phase Noise		-125		dBc/Hz	1KHz

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, PRC China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

Environmental Conditions	Operable Temperature	-40		+85	℃	
	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	Not humidity sensitive.				
	Vibration	Test Condition: 0.75mm ;acceleration:10g;10Hz～500Hz～10Hz, test 1 hour. (in 3 directions X ,Y , Z), GJB 360B-2009 Test Ea 204.				
	Shock	100g; 6ms; half sine wave (3 times for each 3 directions X ,Y, Z), GJB 360B-2009 Test Ea 213				

2. Mechanical Structure(mm)



PIN FUNCTION

PIN	FUNCTION
1	NC
7	GND
8	OUTPUT
14	VCC

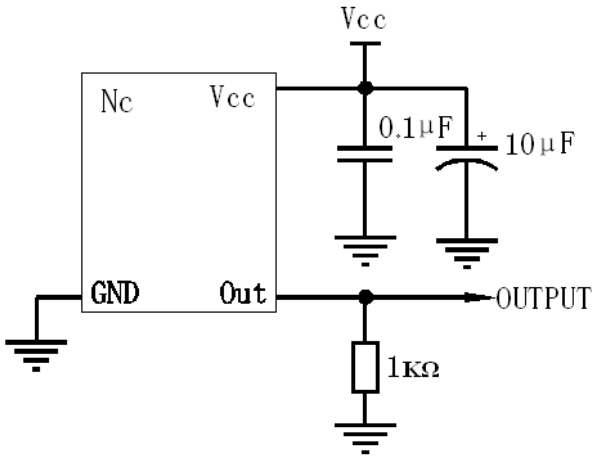
Note1: Tolerance ±0.2mm without mark

Note2: Referential Weight 4.2g

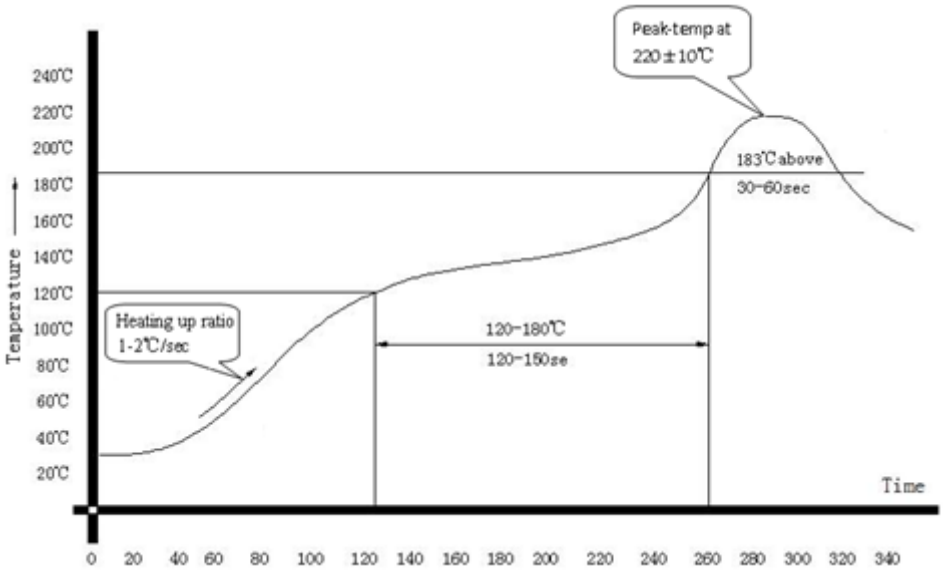
Note3: NC is not connect

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, PRC China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

3. Test circuit



4. Reflow Soldering Curve



5. Package: PVC Tube,10pcs（mm）