Travelling Merchant:_____

DATASHEET

Standard: **O22L-T426-100.00MHz-A**

P/N: 2O1000BLAS31

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Amway.wei	Tony · Wang	James.Liu	
Date: 2014.12.19			

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	2014.12.19

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1. Electrical Parameters

MODEL：O22L-T426-100.00MHz-A						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency		100.00		MHz	
	Output Waveform		Sine wave			
	Level	7			dBm	
	Load		50		Ω	
	Harmonics Suppression			-30	dBc	
	Spurious Suppression			-70	dBc	
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-0.05		+0.05	$\times 10^{-6}$	T_A varied from-55℃ to 85℃, measurement referenced to frequency observed with $f_{ref}=(f_{max}+f_{min})/2$, V_{cc}=5.0V, O_{load}=50Ω, temperature variable speed less than 2℃per minute.
	Initial Frequency Tolerance	-0.5		+0.5	$\times 10^{-6}$	Measurement referenced to frequency observed with T_A=25℃±2℃, V_{cc}=5.0V, and after 15 minutes of operation, within 30 days after ex-works.
	Aging Tolerance per day	-5		+5	$\times 10^{-9}$	V_{cc},V_c, T_A constant Measurement referenced to frequency observed with T_A=25℃,V_{cc}=5.0V, O_{load}=50Ω and after 30 days of operation.
	Aging Tolerance 1 Year	-0.1		+0.1	$\times 10^{-6}$	
Power Supply	Supply Voltage	4.75	5.0	5.25	V	
	Current Consumption			250	mA	@25℃±2℃
	Current Consumption during warm up			600	mA	@25℃±2℃
Frequency adjust	Frequency Adjust Range			-0.5	$\times 10^{-6}$	V_c =0V, relative to the nominal frequency.
		+0.5			$\times 10^{-6}$	V_c =5.0V, relative to the nominal frequency.

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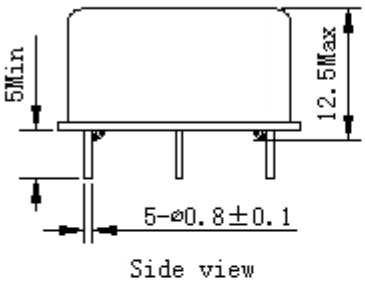
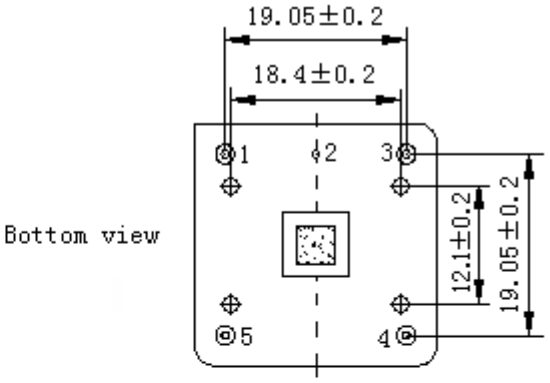
Phase Noise (Normal Temperature)	Static Phase Noise			-125	dBc/Hz	100Hz
				-155		1KHz
				-160		10KHz
				-165		100KHz
	Dynamic Phase Noise (Design Assurance)			-80	dBc/Hz	100Hz
				-100		1KHz
				-155		10KHz
				-165		100KHz
Environmental Conditions	Operable Temperature	-55		+85	℃	
	Storage Temperature	-55		+85	℃	
	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, one cycle per 30 min, test 2 hour. (3 times for each 3 directions X ,Y , Z)，IEC 68-2-06 Test Fc.				
	Random Vibration	$0.01g^2$/Hz, 10Hz~2000Hz, 3 hours (X ,Y , Z).				
	Shock	50g；11ms；half sine wave (3 times for each 3 directions X ,Y, Z),IEC 68-2-27 Test Ea/Severity 50A.				

2. Mechanical Structure (mm)



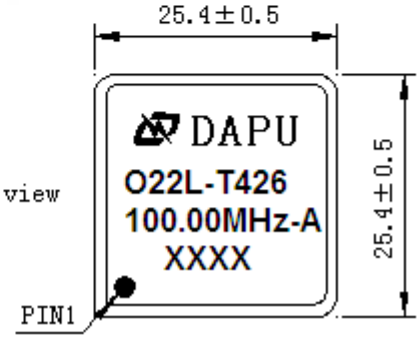
Side view



Bottom view

PIN FUNCTION

PIN	NOTATION	FUNCTION
1	OUTPUT	RF Output
2	GND	GND
3	VC	Control Voltage
4	Vref/NC	Reference Voltage/Not Connect
5	VCC	Supply Voltage



Top view

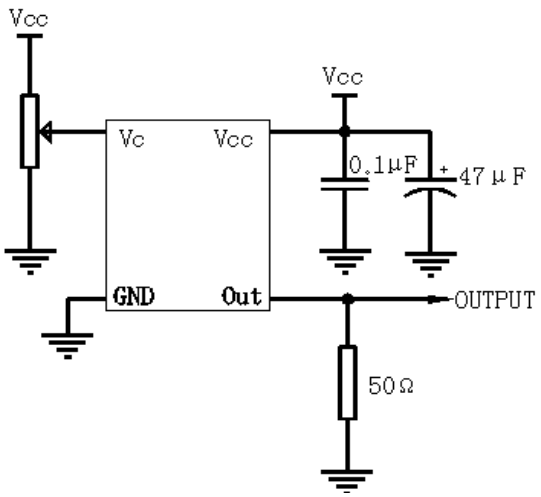
Note1: Tolerance ±0.2mm without mark

Note2: The first two xx representative: week
After two xx representative: year

Note3: Referential Weight 30g

Note4: NC is not connect

3. Test Circuit



Note: Has a built-in bias voltage in voltage controlled .If needn't calibrate the OCXO's frequency, please don't connect the reference voltage and the voltage control pin.

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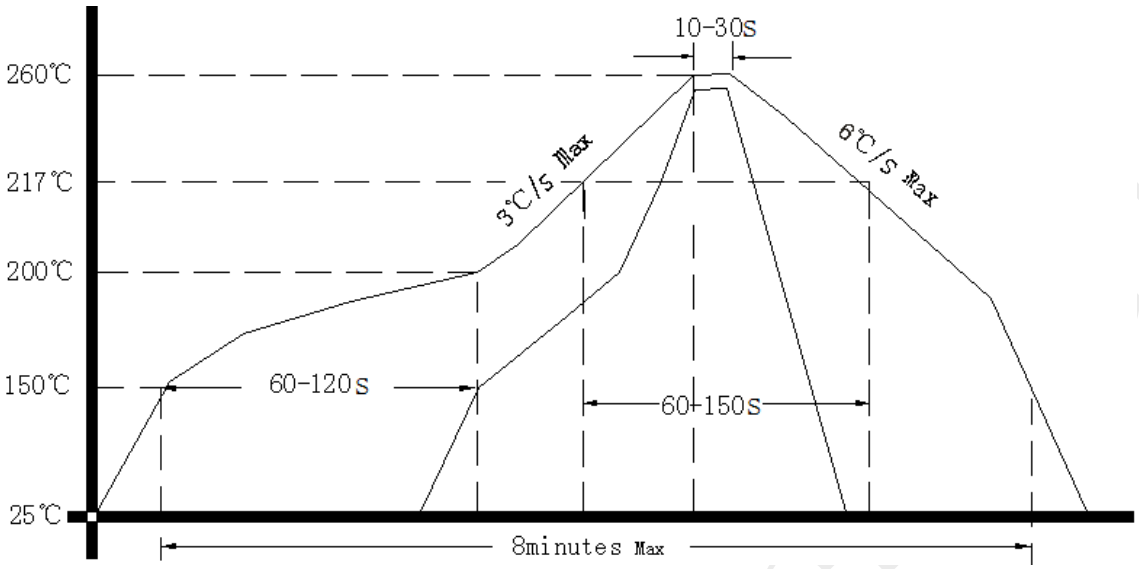
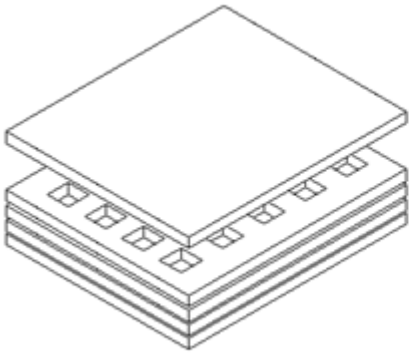
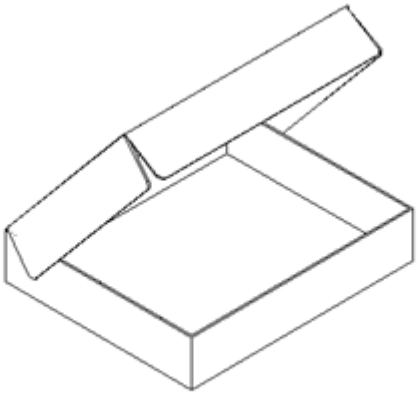
4. Reflow Soldering Curve (RoHS)



5. Package(mm)



Buffer material



Cardboard
Max 20pcs. circulator