

Travelling Merchant: _____

DATASHEET

Standard: **O23B-G126-10.00MHz**

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2010-02-05			

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1、Electrical Parameters

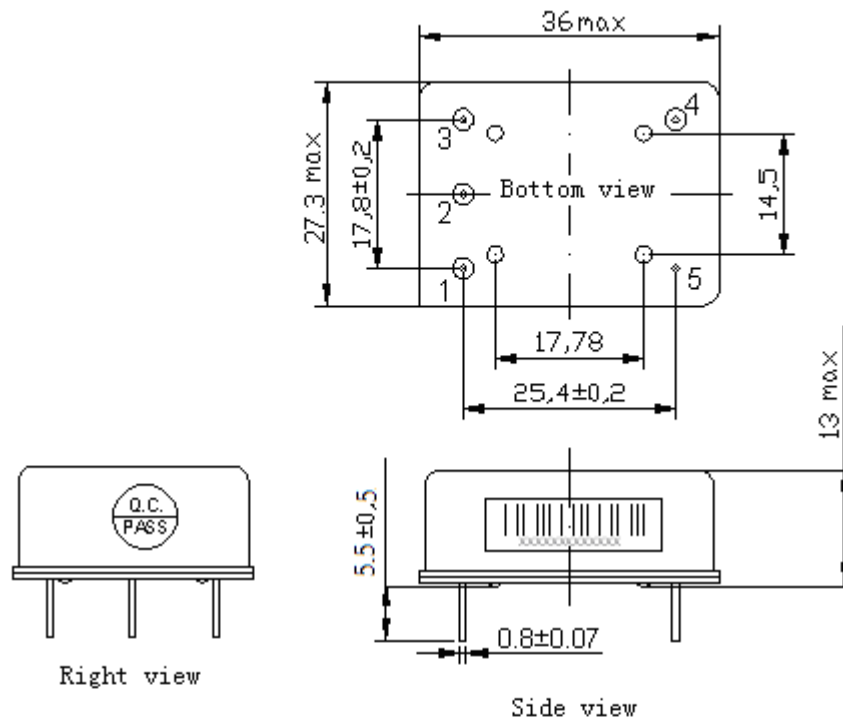
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency	10.00			MHz	
	Output Waveform	LVTTTL				
	Duty Cycle	45	50	55	%	@50% measurement at 2.5V _c
	Output Low Voltage			+0.4	V	V _S = 5.0 V, O _{load} = 15 pF
	Output High Voltage	+2.4			V	V _S = 5.0 V, O _{load} = 15 pF
	Rise / Fall Time			5	ns	10%~90%
	Supply Voltage	+4.75	+5.0	+5.25	V	
	Load	15			pF	
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-1		+1	ppb	T _A varied from -10°C to 75°C, measurement referenced to frequency observed with T _A = 25°C, V _S = 5.0V, V _C = 2.5V, O _{load} = 15pF, temperature rise speed less than 2°C per minute.
	Initial Frequency Tolerance	-0.1		+0.1	ppm	Measurement referenced to frequency observed with T _A = 25°C, V _S = 5.0V, V _C = 2.5V, and after 15 minutes of operation, within 30 days after ex-works.
	Frequency Tolerance vs. Supply Voltage	-0.5		+0.5	ppb	measurement referenced to frequency observed T _A =25°C, V _S varied from 4.75V to 5.25V, V _C = 2.5V and O _{Load} = 15pF.
	Frequency Tolerance vs. Load	-0.5		+0.5	ppb	10% load change measurement referenced to frequency observed with T _A = 25°C, V _S =5.0V, V _C =2.5V.
	Short-Term Stability: Allan Variance			0.01	ppb	Temperature stability, no EMI\EMC or other interference, test after power for 1hour ref. to 25°C; 1s ,using PN9000 equipment.
	Aging Tolerance Per Day	-0.5		+0.5	ppb	V _S , V _C , T _A constant measurement referenced to frequency observed with T _A = 25°C, V _S = 5.0V, V _C = 2.5V, and after 30 days of operation.
	Aging Tolerance 1 Year	-0.05		+0.05	ppm	
	Power Supply	Current Consumption			400	mA
Current Consumption during warm up				900	mA	



Voltage Control Characteristics	Frequency Tuning Range	-0.5		-0.3	ppm	$V_C = 0\text{ V}$. measurement referenced to $V_C = 2.5\text{ V}$
		-0.1		+0.1	ppm	$V_C = 2.5\text{ V}$. measurement referenced to exactly 10.00MHz
		+0.3		+0.5	ppm	$V_C = 5.0\text{ V}$. measurement referenced to $V_C = 2.5\text{ V}$
	Linearity	-10		+10	%	
	Slope	Positive				
	Input Impedance	100			K Ohm	
Phase Noise	Phase Noise			-120	dBc/Hz	10Hz
				-140		100Hz
				-145		1KHz
				-150		10KHz
				-150		100KHz
Environmental Conditions	Operable Temperature	-30		+80	°C	
	Storage Temperature	-40		+85	°C	
	Vibration	Test Condition: 0.75mm ;acceleration:10g;50Hz~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	50g; 11ms; half sine wave (3 times for each 3 directions X ,Y , Z),IEC 68-2-27 Test Ea/Severity 50A.				

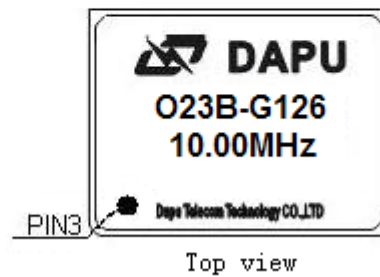


2、 Mechanical Structure(mm)



PIN FUNCTION

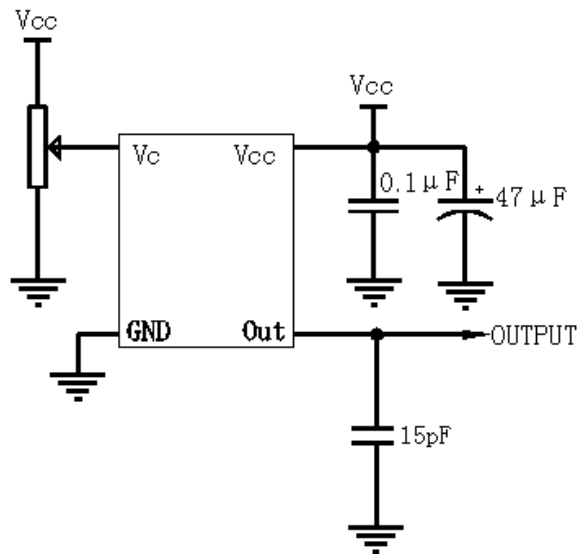
PIN	FUNCTION
1	VC
2	NC
3	VCC
4	OUTPUT
5	GND



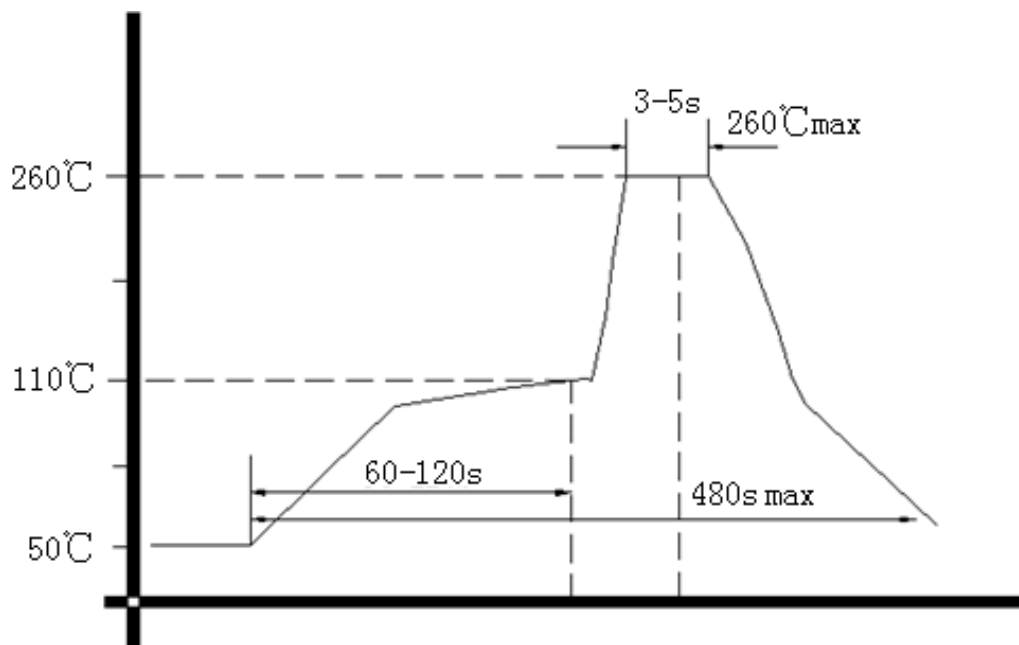
Note: Referential Weight 21g



3、 Test circuit



4、 Reflow Soldering Curve (RoHS)





5、 Package: PVC Tube,8pcs (mm)

