

Travelling Merchant: J017

DATASHEET

Standard: O21B-F329-93.30MHZ

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: _____			

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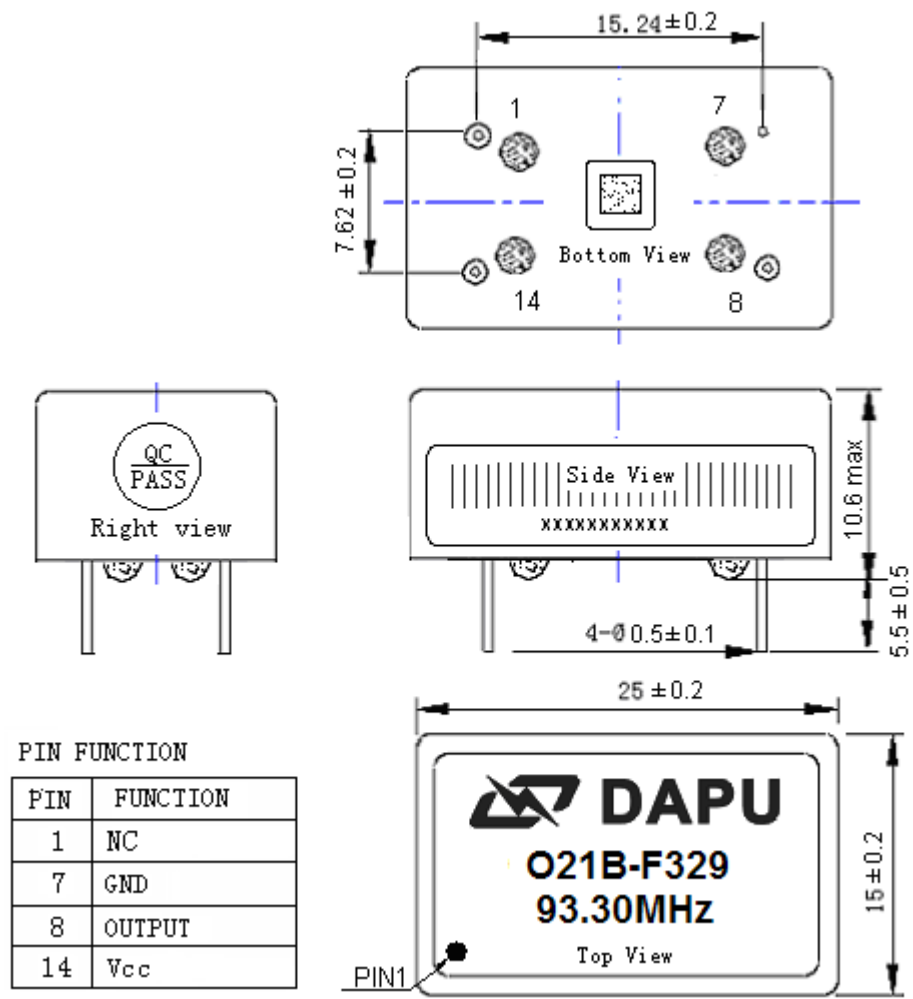
1、Electrical Parameters

MODEL: O21B-F329-93.30MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Description	93.30			MHz	
	Output Waveform	HCMOS				
	Output Low Voltage			+0.4	V	V _{cc} =5.0V, O _{load} =15pF
	Output High Voltage	+3.2			V	V _{cc} =5.0V, O _{load} =15pF
	Duty Cycle	40	50	60	%	@50%
	Rise / Fall Time (10%~90%)		7	8	ns	@25°C
	Load		15		pF	
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-0.05		+0.05	ppm	T _A varied from -20°C to 70°C, measurement referenced to frequency observed with T _A =25°C, V _{cc} =5.0V, 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 _{cc} =5.0V, and after 15 minutes of operation, within 30 days after ex-works.
	Frequency Tolerance vs. Supply Voltage	-0.01		+0.01	ppm	measurement referenced to frequency observed T _A =25°C, V _{cc} varied from 4.75V to 5.25V and O _{Load} =15pF.
	Frequency Tolerance vs. Load	-0.01		+0.01	ppm	5% load change measurement referenced to frequency observed with T _A =25°C, V _{cc} =5.0V, and O _{Load} =15pF.
	Short-Term Stability: Allan Variance			0.05	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	-1		+1	ppb	V _{cc} , T _A constant measurement referenced to frequency observed with T _A =25°C, V _{cc} =5.0V, and after 30 days of operation.
	Aging Tolerance 1 Year	-0.1		+0.1	ppm	
Power Supply	Supply Voltage	4.75	5	5.25	V	
	Steady Consumption			300	mA	@25°C
	Warm up current			700	mA	



Phase Noise	Phase Noise		-110		dBc/Hz	1KHz
Environmental Conditions	Operable Temperature	-20		+70	°C	
	Storage Temperature	-40		+85	°C	
	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.				
	Shock	50g; 11ms; half sine wave (3 times for each 3 directions X ,Y , Z),IEC 68-2-27 Test Ea/Severity 50A.				

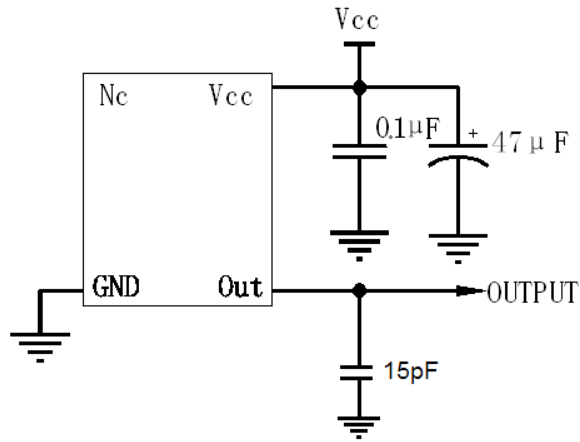
2、Mechanical Structure(mm)



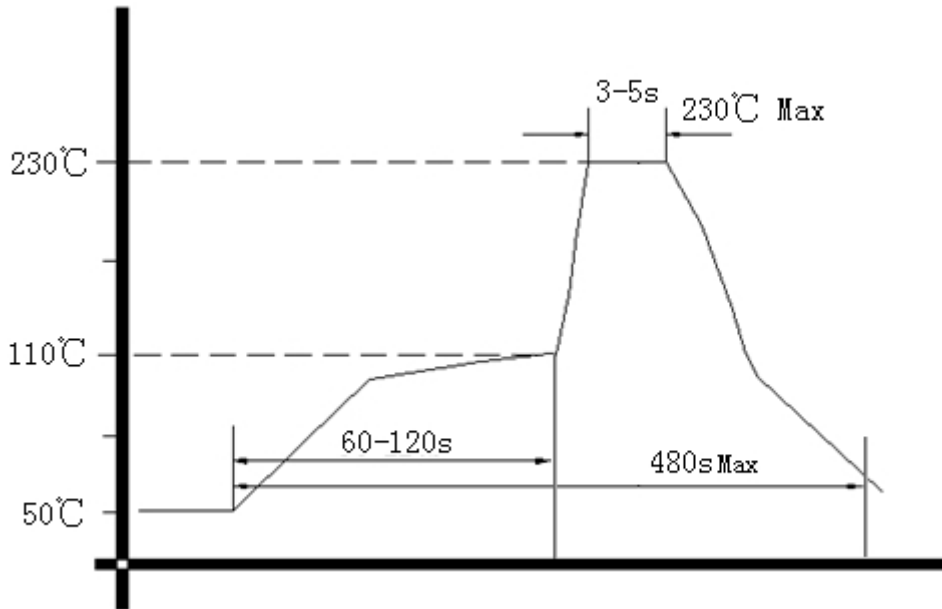
Note1: Referential Weight 6.6g



3、 Test Circuit



4、 Wave Soldering Curve



5、 Package: PVC Tube,11pcs (mm)

