

Travelling Merchant: _____

DATASHEET

Standard: **T11A-D319-93.30MHz**

P/N: _____

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2011.08.18			

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



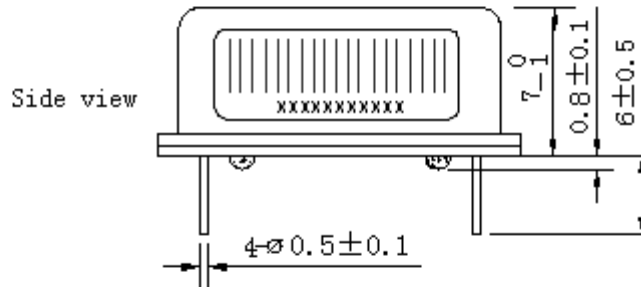
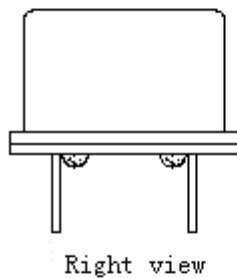
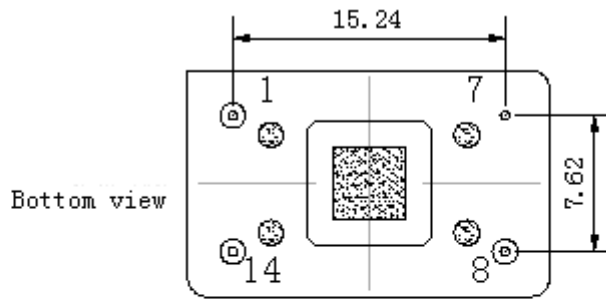
1. Electrical Parameters

MODEL: T11A-D319-93.30MHZ						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency	93.30			MHz	
	Output Waveform	HCMOS				
	Output Low Voltage			0.4	V	$V_{cc}=3.3V, O_{load}=15\text{ pF}$
	Output High Voltage	2.4			V	$V_{cc}=3.3V, O_{load}=15\text{ pF}$
	Duty Cycle	45	50	55	%	
	Rise / Fall Time (10%~90%)			5	ns	@25°C
	Load	15			pF	
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-0.5		+0.5	ppm	T_A varied from -20°C to 70°C, measurement referenced to frequency observed with $T_A = 25^\circ\text{C}, V_{cc} = 3.3V, O_{load} = 15\text{pF}$.
	Initial Frequency Tolerance	-1		+1	ppm	Measurement referenced to frequency observed with $T_A = 25^\circ\text{C}, V_{cc} = 3.3V$, and after 5 minutes of operation, within 30 days after ex-works.
	Frequency Tolerance vs. Supply Voltage	-0.1		+0.1	ppm	measurement referenced to frequency observed $T_A=25^\circ\text{C}, V_{cc}$ varied from 3.13V to 3.47V, and $O_{Load} = 15\text{pF}$.
	Frequency Tolerance vs. Load	-0.1		+0.1	ppm	5% load change measurement referenced to frequency observed with $T_A = 25^\circ\text{C}, V_{cc}=3.3V, O_{Load} = 15\text{pF}$.
	Aging Tolerance Per Day	-0.02		+0.02	ppm	$T_A=25^\circ\text{C}, V_{cc}=3.3V$, and after 1h of operation.
	Aging Tolerance 1 Year	-1		+1	ppm	
Power Supply	Current Consumption			15	mA	@25°C, $V_{cc}=3.3V, O_{load}=15\text{pF}$.
	Supply Voltage	3.13	3.3	3.47	V	
Phase Noise	Phase Noise		-110		dBc/Hz	1KHz



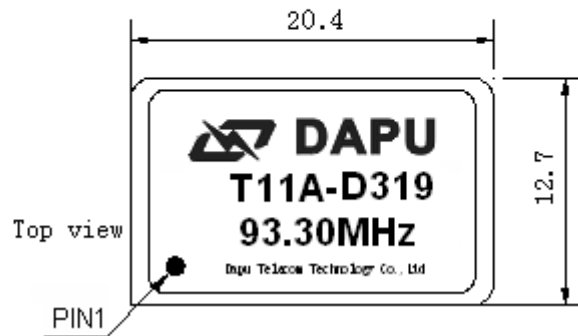
Environmental Conditions	Operable Temperature	-20		+70	°C	
	Storage Temperature	-55		+105	°C	
	Vibration	Test Condition: 0.75mm ;acceleration:10g;10Hz~2000Hz, one cycle per 30 min, test 2 hour. (3 times for each 3 directions X ,Y , Z).IEC 68-2-06 Test Fc.				
	Shock	100g; 6ms; half sine wave (3 times for each 3 directions X ,Y , Z),IEC 68-2-27 Test Ea/Severity 50A.				

2. Mechanical Structure(mm)



PIN FUNCTION

PIN	FUNCTION
1	NC
7	GND
8	OUTPUT
14	VCC



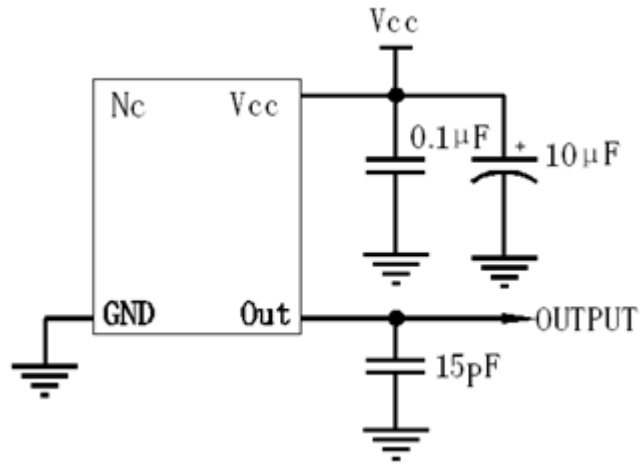
Note1: Tolerance $\pm 0.2\text{mm}$ without mark

Note2: Referential Weight 4.2g

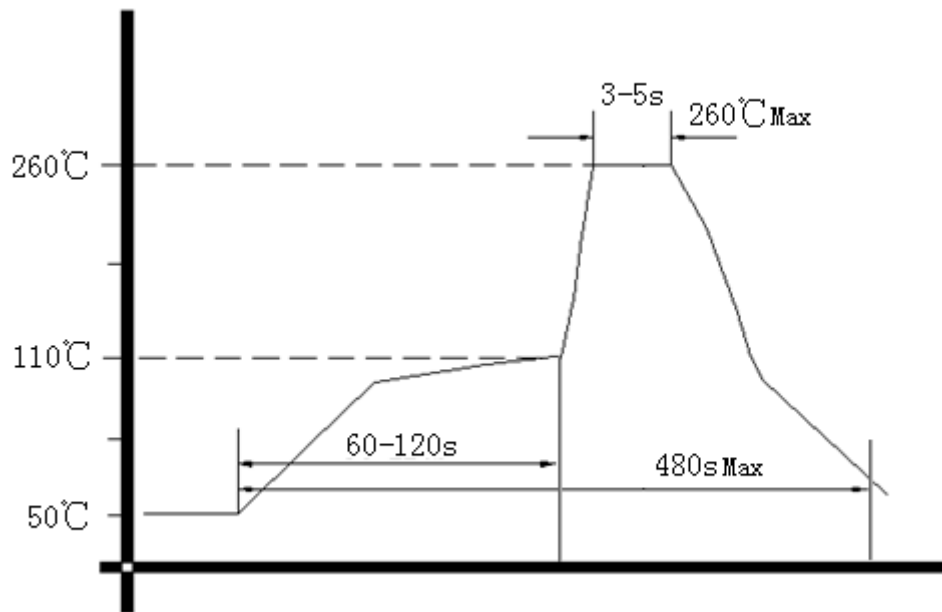
Note3: NC is not connect



3. Test circuit



4. Wave Soldering Curve (RoHS)



5. Package: PVC Tube,10pcs (mm)

