Travelling Merchant:_____

DATASHEET

Standard: **T11A-F429-5.00MHz**

P/N: _____

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Amway.wei	Carry.Wang	Jason Zhao	
Date: 2024.03.13			

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	2024.03.13

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1. Electrical Parameters

MODEL： T11A-F429-5.00MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency		5.00		MHz	
	Output Waveform		Sine Wave			
	Level	5			dBm	
	Harmonics			-30	dBc	
	Spuious			-70	dBc	
	Load		50		Ω	
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-0.5		+0.5	$\times 10^{-6}$	T_A varied from-40℃to 85℃,measurement referenced to frequency observed with $f_{ref} = (f_{max}+f_{min})/2$, V_{cc}=5V, O_{load}=50Ω, 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}=5V within 30 days after ex-works.
	Frequency Tolerance vs. Supply Voltage	-0.05		+0.05	$\times 10^{-6}$	measurement referenced to frequency observed T_A=25℃, V_{cc} varied from 4.75V to 5.25V, and O_{Load}=50Ω.
	Frequency Tolerance vs. Load	-0.05		+0.05	$\times 10^{-6}$	5% load change measurement referenced to frequency observed with T_A=25℃,V_{cc}=5V, O_{Load}=50Ω.
	Aging Tolerance 1 Year	-1		+1	$\times 10^{-6}$	T_A=25℃, V_{cc}=5V, and after 1h of operation.
Power Supply	Current Consumption			20	mA	@25℃, V_{cc}=5V, O_{load}=50Ω.
	Supply Voltage	4.75	5	5.25	V	
Phase Noise	Phase Noise		-90	-85	dBc/Hz	10Hz
			-120	-115		100Hz
			-140	-135		1KHz
			-150	-145		10KHz
			-152	-150		100KHz

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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;JEDEC JESD22-A115C.				
	Moisture Sensitivity Level	Not humidity sensitive.				
	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.				

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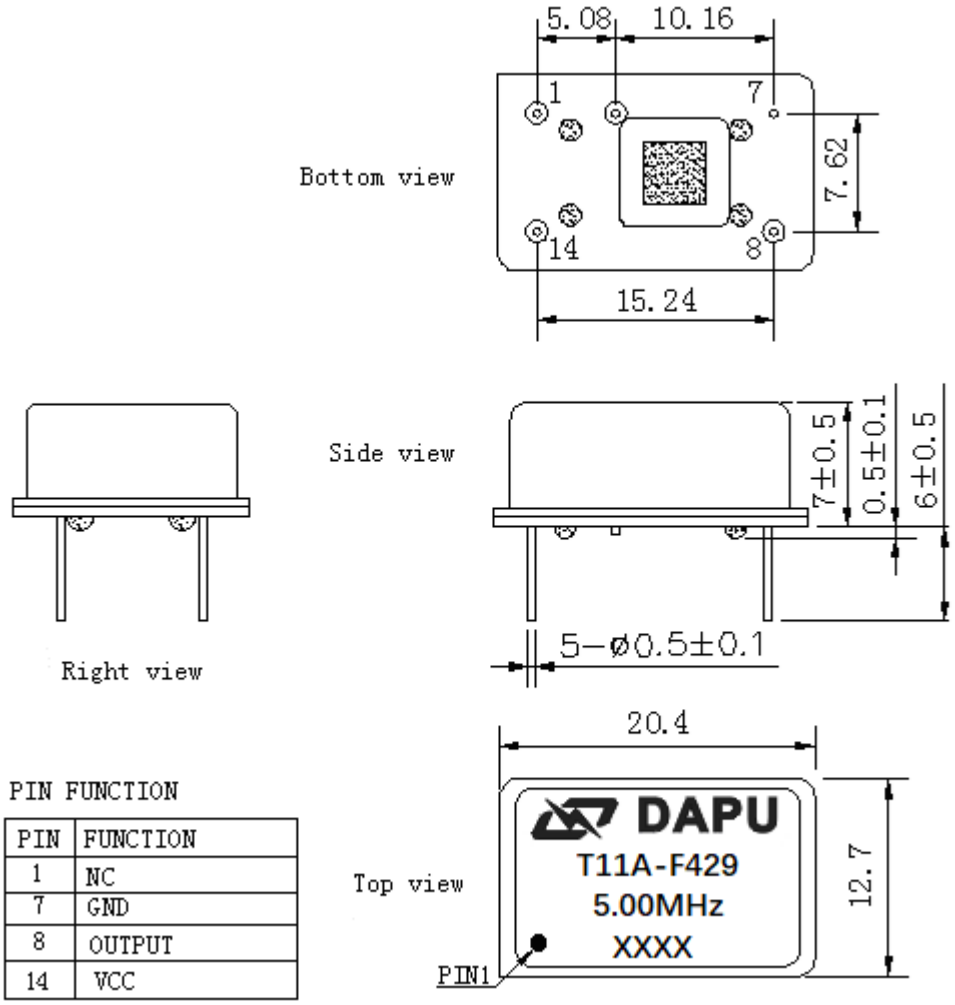
2. Mechanical Structure(mm)



PIN FUNCTION

PIN	FUNCTION
1	NC
7	GND
8	OUTPUT
14	VCC

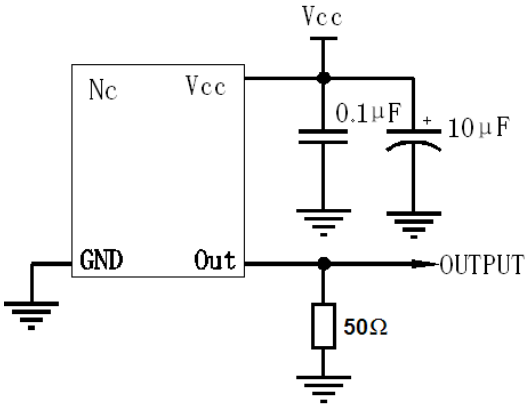
Note1: Tolerance ±0.2mm without mark

Note2: Referential Weight 3.8g

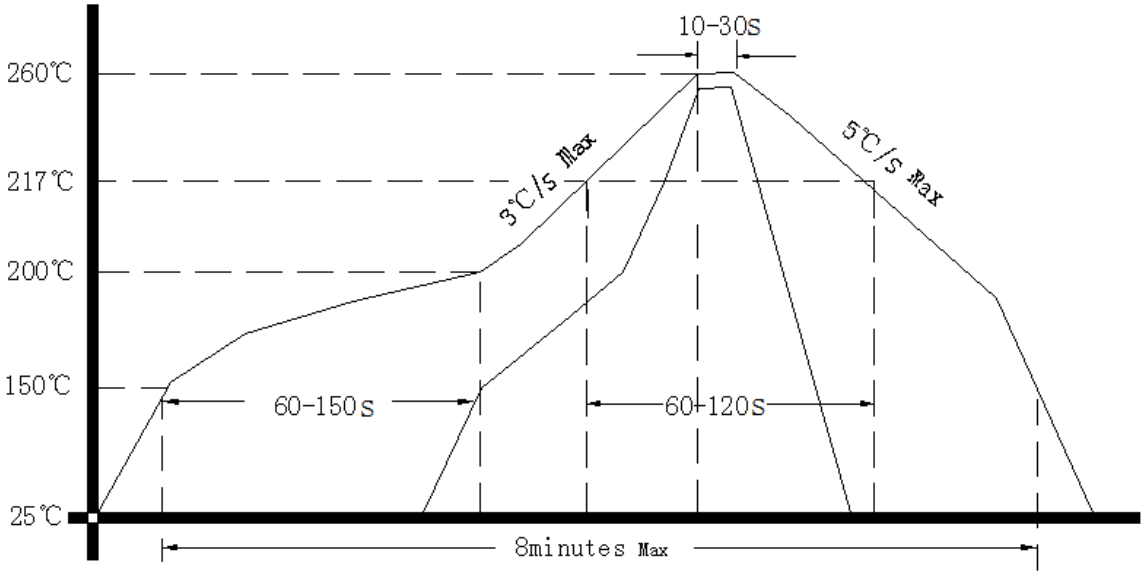
Note3: NC is not connect

Note4: The first two xx representative: week
After two xx representative: year

3. Test circuit



4. Reflow Soldering Curve (RoHS)



5. Package: PVC Tube,10pcs（mm）