Customer Code : _____

DATASHEET

DAPU P/N: **T12A-F429-40.00MHz**

Customer P/N: _____

DAPU			Customer Approval
Drew	Audited	Approved	
Amway.wei	Carry.Wang	James.Liu	
Date: 2019.12.20			Stamp, please! Thanks!

Guangdong Dapu Telecom Technology Co.,Ltd

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, China

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Table of amendment

Version	Revision contents	Prepared by	Revised date
1.0	The first issued	Amway	2019.12.20

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1. Electrical Parameters

MODEL： T12A-F429-40.00MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency		40.00		MHz	
	Output Waveform		Sine Wave			
	Level	+4	+7		dBm	Vcc = 5.0V, O_{load}=50Ω.
	Harmonics Suppression		-30	-25	dBc	Vcc = 5.0V, O_{load}=50Ω.
	Spurious Suppression		-80		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}=5.0V, temperature variable speed less than 2℃per minute.
	Initial Frequency Tolerance	-1.0		+1.0	$\times 10^{-6}$	Measurement referenced to frequency observed with T_A=25℃, V_{cc}=5.0V, and after 15 minutes of operation, within 30 days after ex-works.
	Frequency Tolerance vs. Supply Voltage	-0.1		+0.1	$\times 10^{-6}$	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	-0.1		+0.1	$\times 10^{-6}$	5% load change measurement referenced to frequency observed with T_A=25℃, V_{cc}=5.0V, and O_{load}=50Ω.
	Aging Tolerance First Year	-1		+1	$\times 10^{-6}$	V_{cc}, T_A constant measurement referenced to frequency observed with T_A=25℃, V_{cc}= 5.0V,and after 30 days of operation.
Power Supply	Current Consumption			40	mA	@25℃, V_{cc}=5.0V, O_{load}=50Ω.
	Supply Voltage	4.75	5.0	5.25	V	

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Jitter	Phase Jitter		0.4		ps	12KHz to 20MHz
Phase Noise	Phase Noise		-80		dBc/Hz	10Hz
			-110			100Hz
			-140			1KHz
			-155			10KHz
			-160			100KHz
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; ANSI/ESDA/JEDEC JS-001-2010.				
	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.				
Full Package Storage	Relative humidity (%)	20%～70%				
	Temperature (℃)	-10~35℃				

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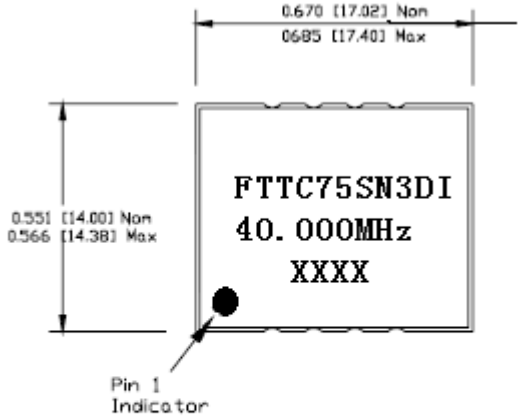
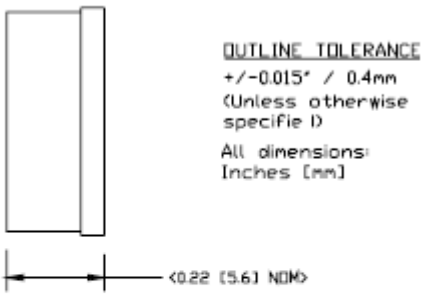
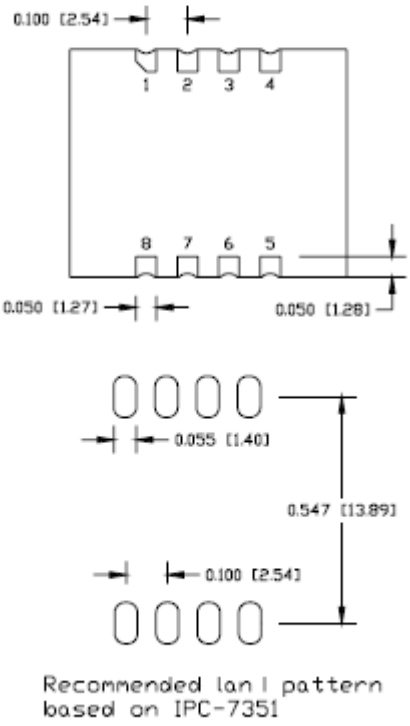
2. Mechanical Structure(mm)





PIN CONNECTIONS

1	Supply Voltage
2	N/C
3	Gnd
4	Gnd
5	Output
6	N/C
7	N/C
8	N/C



Note1: Tolerance ±0.20mm without mark

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

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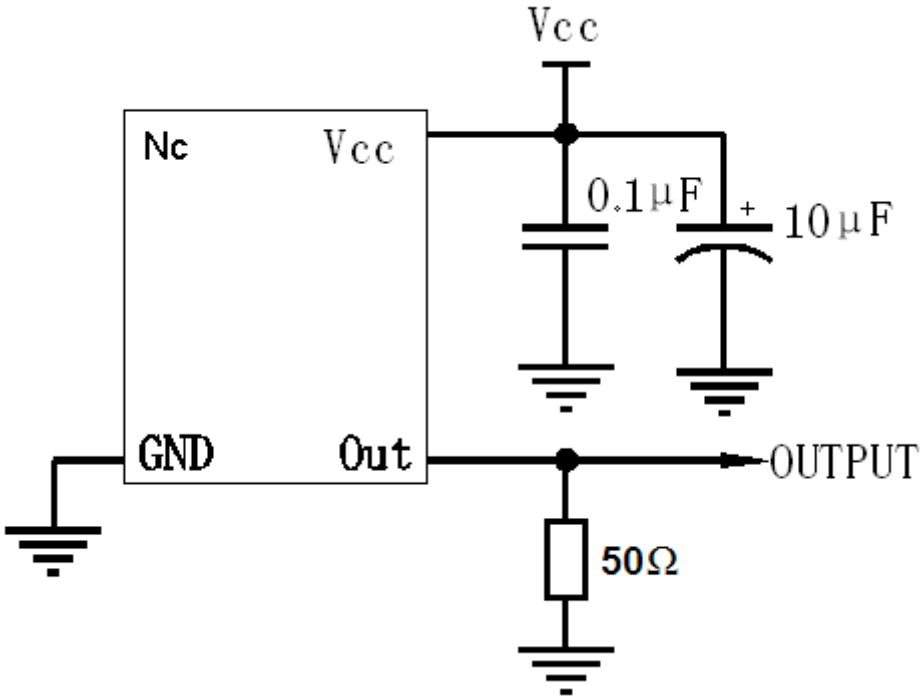
3. Test circuit



4. Reflow Soldering Curve (RoHS)