Travelling Merchant:_____

DATASHEET

Standard: **M11C- A429-28.80MHz**

P/N: _____

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Amway.wei	Carry.Wang	James.Liu	
Date: 2018.11.19			

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Table of amendment

Version	Revision contents	Prepared by	Revised date
1.0	The first issued	Amway	2018.11.19

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1. Electrical Parameters

MODEL： M11C-A429-28.80MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency		28.80		MHz	
	Output Waveform		Sine Wave			
	Level	6			dBm	
	Harmonics Suppression		-30		dBc	
	Spurious Suppression		-75		dBc	
	Load		50		Ω	
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-0.15		+0.15	$\times 10^{-6}$	T_A varied from-40℃ to 85℃,measurement referenced to frequency observed with T_A =25℃, V_{cc}=5.0V, 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}=5.0V 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, O_{Load}=50Ω.
	Aging Tolerance Per Day	-0.02		+0.02	$\times 10^{-6}$	T_A=25℃, V_{cc}=5.0V, and after 1h of operation.
	Aging Tolerance 1 Year	-1		+1	$\times 10^{-6}$	
Power Supply	Current Consumption		20		mA	@25℃, V_{cc}=5.0V
	Supply Voltage	4.75	5.0	5.25	V	
Phase Noise	Phase Noise		-85	-80	dBc/Hz	10Hz
			-118	-113		100Hz
			-138	-133		1KHz
			-150	-145		10KHz
			-150	-145		100KHz

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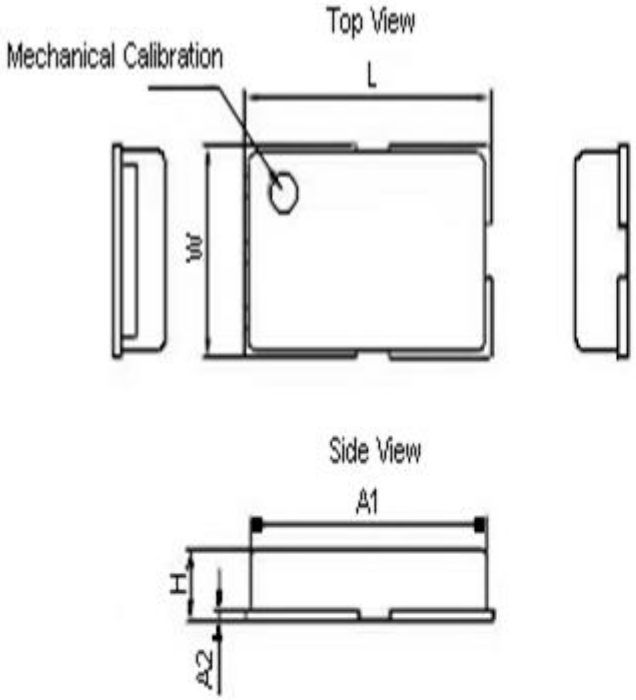
Mechanical Calibration	Frequency Tuning Range			-2	$\times 10^{-6}$	
		+2			$\times 10^{-6}$	
Environmental Conditions	Operable Temperature	-40		+85	℃	
	Storage Temperature	-55		+100	℃	
	ESD Level	Human Body Model, class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010.				
		Machine Model, class B: 200V to 400V; ANSI/ESDA/JEDEC JS-001-2010.				
	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)



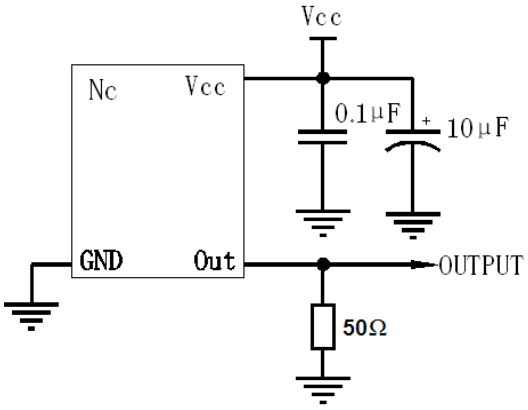
Deminsion	Unit	Min	Typ	Max
L	mm	18.43	18.53	18.63
W	mm	11.84	11.94	12.04
H	mm	4.8	5.0	5.2
A1	mm	17.1	17.3	17.5
A2	mm	0.8	1.0	1.2
A3	mm	7.4	7.62	7.8
A4	mm	4.2	4.4	4.6
A5	mm	1.8	2.0	2.2
A6	mm	4.77	4.94	5.17
A7	mm	1.8	2.0	2.2
A8	mm	9.07	9.27	9.47

PIN FUNCTION

1	VCC
2	OUTPUT
3	GND
4	GND
5	GND
6	GND

Note1: Tolerance ±0.2mm without mark

3. Test circuit



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4. Reflow Soldering Curve (RoHS)