Travelling Merchant:_____

DATASHEET

Standard: **T22B-P329-4.896MHz**

P/N: _____

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Amway.wei	Carry.Wang	James.Liu	
Date: 2019.05.22			

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

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Table of amendment

Version	Revision contents	Prepared by	Revised date
1.0	The first issued	Amway	2017.12.20
1.1	Add “Phase Noise” The “Mechanical Structure” changed	Amway	2017.12.27
1.2	The “Mechanical Structure” changed	Amway	2019.05.15
1.3	The “Moisture Sensitivity Level” changed	Amway	2019.05.22

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1. Electrical Parameters

MODEL： T22B-P329-4.896MHz

Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency		4.896		MHz	
	Output Waveform		HCMOS			
	Output Low Voltage			0.4	V	V_{cc}=5.0V, O_{load}=15pF
	Output High Voltage	4.0			V	V_{cc}=5.0V, O_{load}=15pF
	Duty Cycle	45	50	55	%	@50%
	Rise / Fall Time (10%~90%)			6	ns	
	Load		15		pF	
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-1.0		+1.0	$\times 10^{-6}$	T_A varied from-10℃ to 70℃, measurement referenced to frequency observed with T_A=25℃, V_{cc}=5.0V, O_{load}=15pF, 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	-0.2		+0.2	$\times 10^{-6}$	measurement referenced to frequency observed T_A=25℃, V_{cc} varied from 4.75V to 5.25V, and O_{Load}=15pF.
	Frequency Tolerance vs. Load	-0.2		+0.2	$\times 10^{-6}$	5% load change measurement referenced to frequency observed with T_A=25℃, V_{cc}=5.0V, and O_{Load}=15pF.
	Aging Tolerance Per Day	-0.02		+0.02	$\times 10^{-6}$	V_{cc}, V_c, T_A constant measurement referenced to frequency observed with T_A=25℃, V_{cc}= 5.0V, and after 30 days of operation.
	Aging Tolerance 1 Year	-1.0		+1	$\times 10^{-6}$	
Power Supply	Current Consumption			15	mA	@25℃, V_{cc}=5.0V, O_{Load}=15pF.
	Supply Voltage	4.75	5.0	5.25	V	

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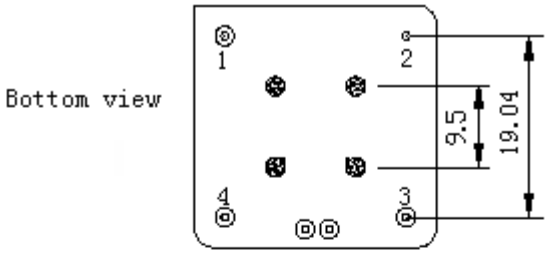
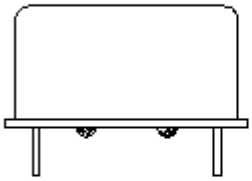
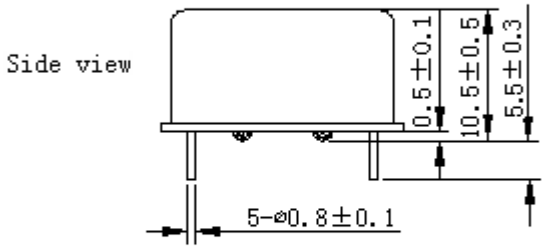
Phase Noise	Phase Noise		-125	-120	dBc/Hz	1KHz
Environmental Conditions	Operable Temperature	-10		+70	℃	
	Storage Temperature	-45		+105	℃	
	ESD Level	Human Body Model,class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010.				
		Machine Model, class B: 200V to 400V; ANSI/ESDA/JEDEC JS-001-2010.				
	Moisture 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℃				

2. Mechanical Structure (mm)

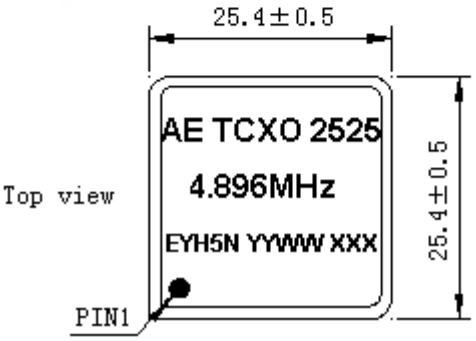






PIN FUNCTION

PIN	NOTATION	FUNCTION
1	OUTPUT	RF Output
2	GND	GND
3	GND	GND
4	VCC	Supply Voltage



Note1: Tolerance ±0.2mm without mark

Note2: Referential weight 13.6g

Note3: The two yy representative: year
After two ww representative: week
At last xxx representative: serial number

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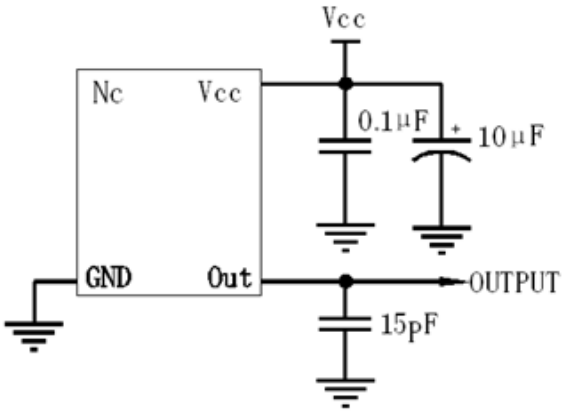
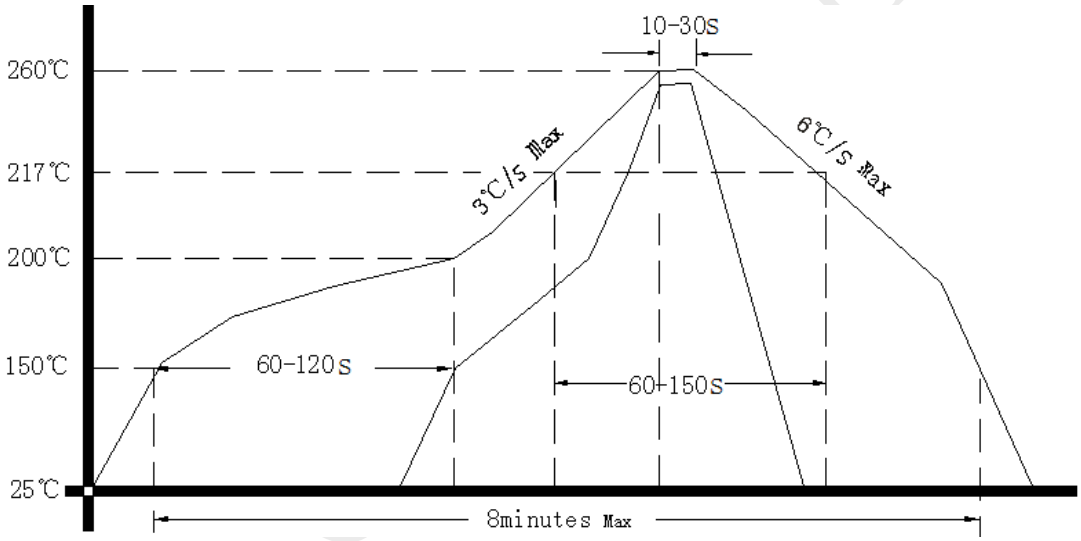
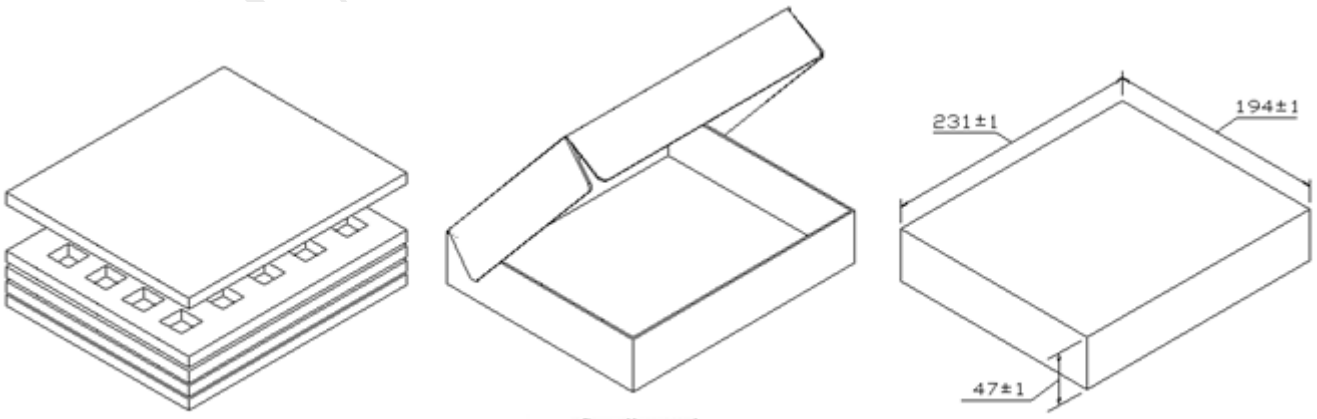
3. Test Circuit



4. Reflow Soldering Curve (RoHS)



5. Package（mm）



Buffer material

Cardboard
Max 20pcs. circulator