



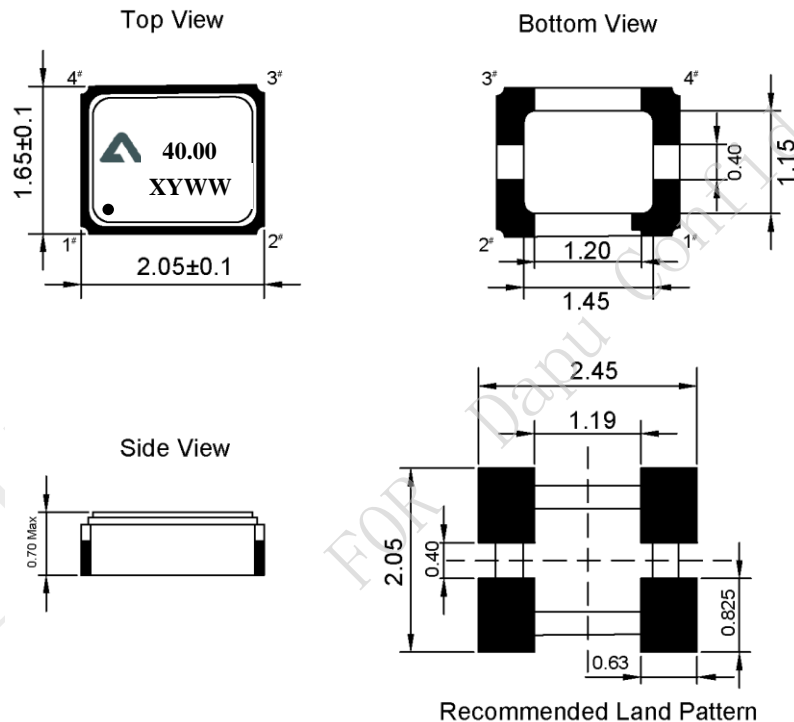
1. Electrical Parameters

MODEL: T2016C-05A9-40.00MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency	40.00			MHz	
	Output Waveform	Clipped Sine Wave				
	Vp-p	0.8			V	
	Load	10KΩ//10pF				
Frequency Stabilities	Frequency Tolerance	-1.5		+1.5	$\times 10^{-6}$	@25 ± 2°C, 2H, after 2 times reflow soldering, base on nominal frequency.
	vs. Temperature	-1		+1	$\times 10^{-6}$	T _A varied from -40°C to 85°C, measurement referenced to frequency observed with f _{ref} =(f _{max} +f _{min})/2, V _{cc} =3.3V, O _{load} =10KΩ//10pF, temperature variable speed less than 2°C per minute.
		-2		+2		T _A varied from 85°C to 105°C, measurement referenced to frequency observed with f _{ref} =(f _{max} +f _{min})/2, V _{cc} =3.3V, O _{load} =10KΩ//10pF, temperature variable speed less than 2°C per minute.
	vs. Supply Voltage	-0.2		+0.2	$\times 10^{-6}$	measurement referenced to frequency observed T _A =25°C, V _{cc} = 3.3 ± 5%, and O _{Load} =10KΩ//10pF.
	vs. Load	-0.2		+0.2	$\times 10^{-6}$	10% load change measurement referenced to frequency observed with T _A =25°C, V _{cc} =3.3V, and O _{Load} =10KΩ//10pF .
	Aging Tolerance 1 Year	-1		+1	$\times 10^{-6}$	T _A =25 °C , V _{cc} =3.3V , and after 1h of operation.
Frequency Slope	-0.2		0.2	ppm/°C	T _A varied from -40°C to 85°C	
Power Supply	Current consumption			3	mA	@25°C, V _{cc} =3.3V, ,O _{Load} =10KΩ//10pF.
	Start up Time			2	ms	More than 90% of final output voltage
	Supply Voltage	1.71	3.3	3.63	V	
SSB Phase Noise	Phase Noise@25 ± 2°C			-105	dBc/Hz	100Hz
				-125		1KHz
				-135		10KHz
				-145		100KHz



Environmental Conditions	Operable Temperature	-40		+105	°C	
	Storage Temperature	-55		+125	°C	
	ESD Level	Human Body Model, class2: 2000V; ANSI/ESDA/JEDEC JS-001-2010.				
		Machine Model, class B: 200V; JEDEC JESD22-A115C.				
	Moisture Sensitivity Level	Level 3.				
	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 (°C)	-10~35°C				

2. Mechanical Structure(mm)



PIN NAME	CONNECTION
PIN1	NC
PIN2	GND
PIN3	OUTPUT
PIN4	VCC

Note1: N/C is not connected



3. Marking Information

40.00: Frequency 40.00Mhz

▲: DAPU logo

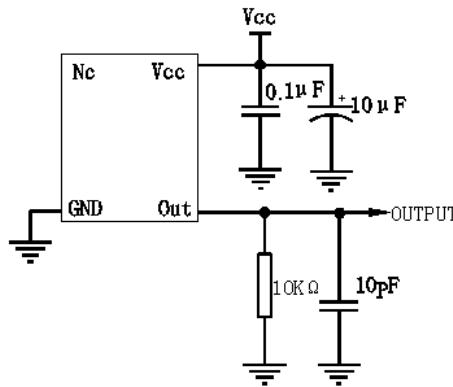
X: Lot No.

Y: Year

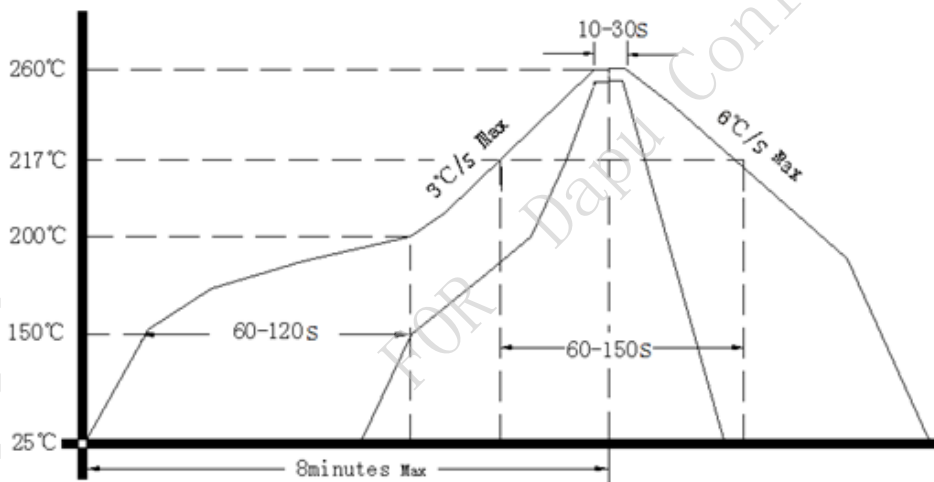
WW: Week

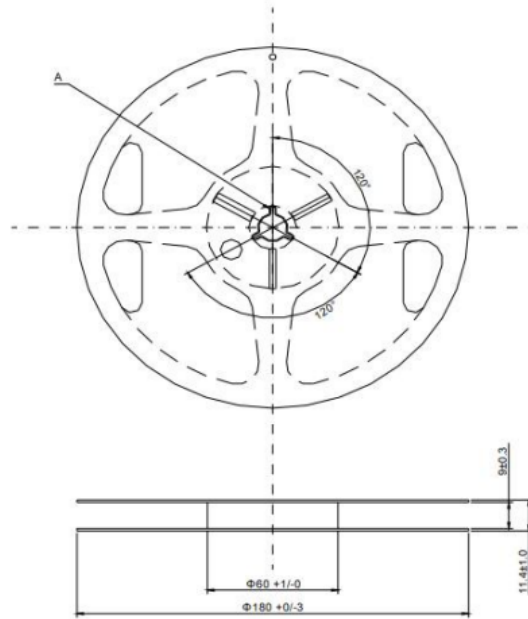
● : Pin1 Index

4. Test Circuit



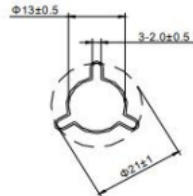
5. Reflow Soldering Curve (RoHS)





Material:Polystyrene (Conductivity)
unit:mm

Section A



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