

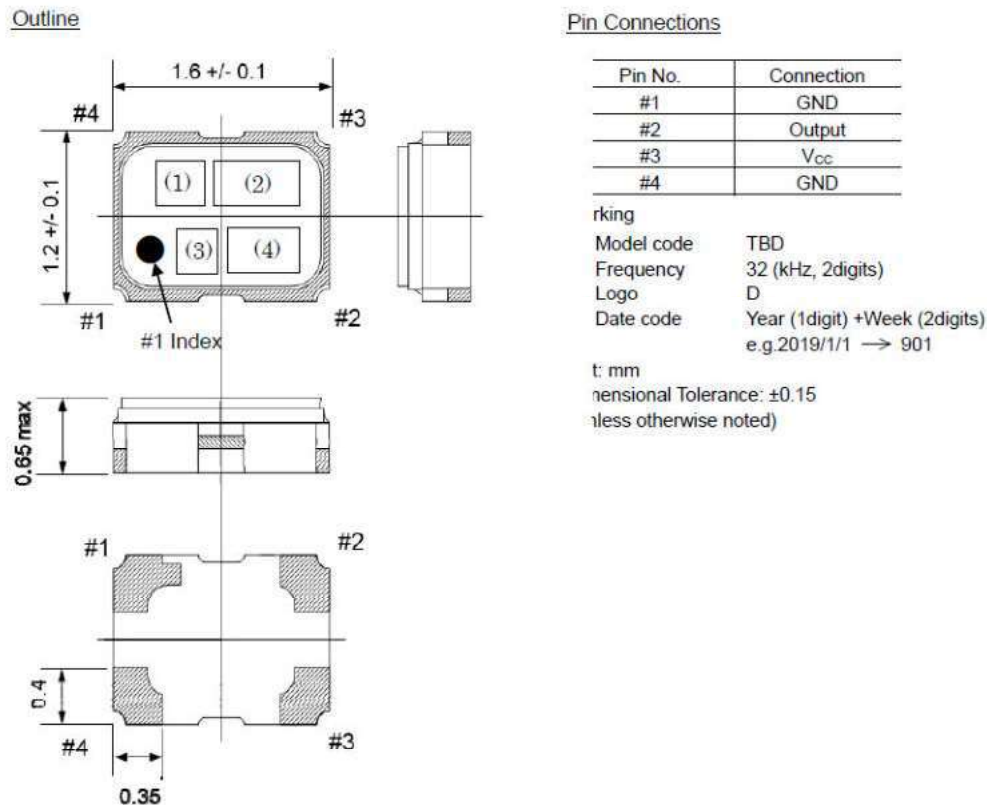
SPECIFICATION

NT1612DP-32.768KHz

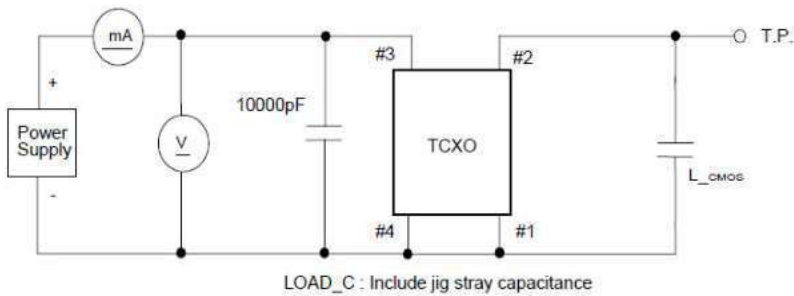
1. Electrical Parameters

MODEL: NT1612DP 32.768KHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency	32.768			kHz	
	Output Waveform	CMOS				
	0 Level Voltage			10% V _{cc}	V	I _{OL} = 0.1mA
	1 Level Voltage	90% V _{cc}			V	I _{OH} = -0.1mA
	Symmetry	40		60	%	50% V _{cc} Level
	Start-up Time			0.5	s	90% of steady state frequency reached
	Rise/Fall Time			40	ns	10% to 90% V _{cc} Level
	Load	15			pF	
	vs. Temperature Range	-5		+5	× 10 ⁻⁶	T _A varied from -40°C to 85°C, measurement referenced to frequency observed with T _A =25°C, V _{cc} =1.8V, O _{load} =15pF, temperature variable speed less than 2°C per minute.
	Aging Tolerance 1 Year	-5		+5	× 10 ⁻⁶	@25°C
Power Supply	Operating Current		1.1		μA	@25°C ± 2°C, V _{cc} =1.8V.No Load, Interval of temperature compensation : 0.5s
	Supply Voltage	1.62	1.8	1.98	V	
Operable Temperature		-40		+85	°C	
Storage Temperature		-40		+85	°C	

2. Mechanical Structure(mm)



3. Test Circuit



4. Output Waveform

