



## Features and Benefits

Frequency range: 17MHz

Load capacitance: 30pF±0.5

Stability: ±10ppm

Operating temperature: -20°C to +70°C

Size: 11.18x4.65x13.5mm

## Typical Applications

SatCom

Test equipment

Network clock

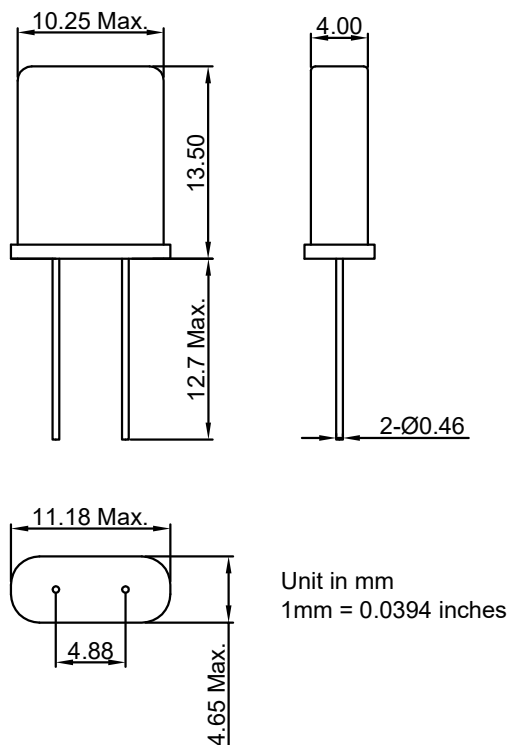
Base station

## Description

XTAL49UCK-17MHz-A is designed for applications where exceptional frequency stability and timing is required. It has both excellent temperature performance and short-term stability. These characteristics make it an excellent choice for timing applications.

## Mechanical Drawing & Pin Connections

Drawing No: MD210025-1





## Dynamic Engineers Inc.

2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA  
TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

**XTAL49UCK-17MHz-A**

17MHz Crystals

### Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Frequency	F			17		MHz	
Mode Of Oscillation	Mn		Fundamental (AT)				
Load Capacitance	CL		30±0.5			pF	
Shunt Capacitance	C0				7.0	pF	
Equivalent Resistance		Series			20	ohm	
Insulation Resistance		DC100V±15V	500M			ohm	
Frequency Stability							
Frequency Tolerance		at 25°C	±10 Max			ppm	
Temperature Drift	Tc	-20°C to +70°C	±10 Max			ppm	
Environmental Conditions							
Holder Type		HC-49U					
Operation temperature		-20°C to +70°C					
Storage temperature		-55°C to +105°C					