



### Features and Benefits

Frequency range: 1.4MHz

Stability:  $\pm 15$ ppm

Operating temperature:  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

Size: 18.4x9.3x19.7mm

### Typical Applications

SatCom

Test equipment

Network clock

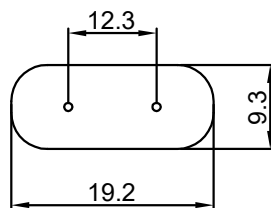
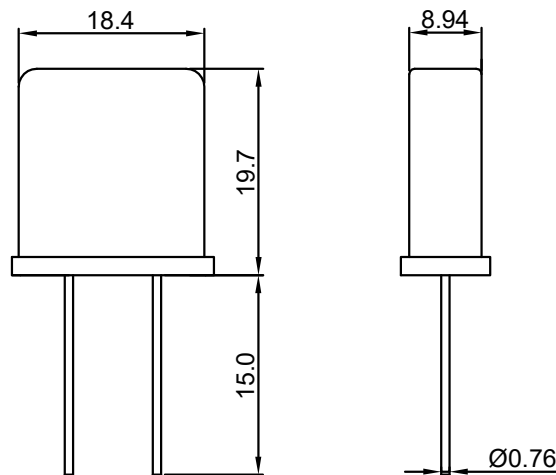
Base station

### Description

XTAL51UCK-1.4MHz-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: MD210026-1



Unit in mm  
1mm = 0.0394 inches



**Specifications**

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Frequency	F			1.4		MHz	
Mode Of Oscillation	Mn		Fundamental (AT)				
Shunt Capacitance	C0				7.0	pF	
Equivalent Resistance		Series			450	ohm	
Insulation Resistance		DC100V±15V	500M			ohm	
<b>Frequency Stability</b>							
Frequency Tolerance		at 25°C	±15 Max			ppm	
Temperature Drift	Tc	-20°C to +70°C	±15 Max			ppm	
<b>Environmental Conditions</b>							
Holder Type		HC-51U					
Operation temperature		-20°C to +70°C					
Storage temperature		-55°C to +105°C					