

## Dynamic Engineers Inc.

2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com L H5 @\$\$% 5 @' &A < n!5 SMD Crystal Units

## **Features and Benefits**

Ultra-thin, thickness 1.0mm Leadless type High precision characteristic covering up to high frequency range Designed for automatic mounting and reflow soldering Embossed taping specification

#### **Typical Applications**

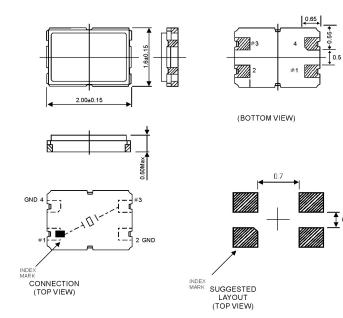
Bluetooth wireless communication sets DSN, PDA and Mobile Phone

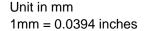
#### Description

XTAL2016AL-32MHz-A offers 32MHz frequency, high precision and high frequency stability, allowing for high density surface mounting, ideally suited designed for use in Portable Applications.

### **Mechanical Drawing & Pin Connections**

Drawing No: A 8 & \$ \$ ( ) !%





Dynamic Engineers reserves the right to make changes to the company datasheet(s) along with other information contained inside; such as data tables and araphs without notification to potential customers who may have earlier revisions in their possession.



# Dynamic Engineers Inc.

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

## **Specifications**

Oscillator Specification	Sym	Condition	Value				Nete
			Min.	Тур.	Max.	Unit	Note
Frequency	F			32		MHz	
Mode			AT/Fundamental				
Load Capacitance	C∟		10			pF	
Shunt Capacitance	<b>C</b> <sub>0</sub>				5	pF	
Drive Level				100		uW	
Equivalent Series Resistance					60	ohm	
Frequency Stability							
Frequency Stability		Over Operating Temperature		±10		ppm	
Frequency Tolerance		(at 25℃)		±10		ppm	
Aging		@+25°C 1st year			±3	ppm	
Environmental Conditions							
Operating temperature range		-20°C to +70°C					
Storage temperature range		-40°C to +85°C					