



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

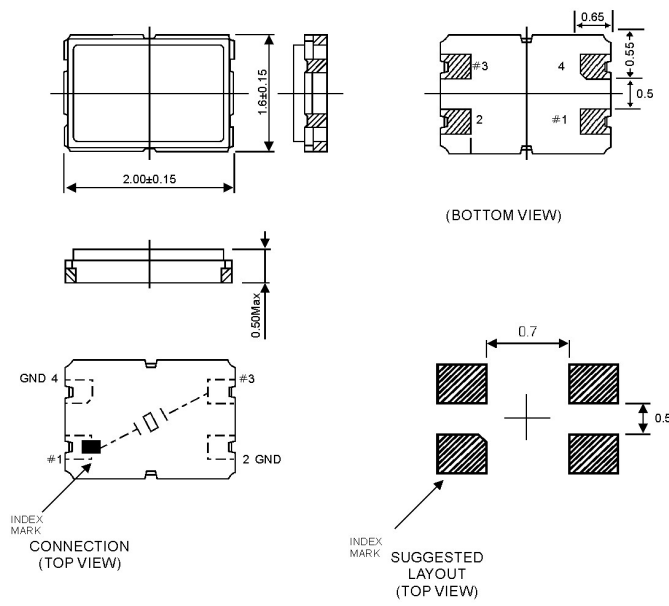
- Bluetooth wireless communication sets
- DSN, PDA and Mobile Phone

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: A8 &\$\$\$() !%



Unit in mm
1mm = 0.0394 inches



Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Frequency	F			32		MHz	
Mode			AT/Fundamental				
Load Capacitance	C _L		10			pF	
Shunt Capacitance	C ₀				5	pF	
Drive Level				100		uW	
Equivalent Series Resistance					60	ohm	
Frequency Stability							
Frequency Stability		Over Operating Temperature	±10			ppm	
Frequency Tolerance		(at 25°C)	±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					