



Features and Benefits

- 6.0x3.5mm size miniature SMD crystal units with a low profile of 1.0mm
- 2 Pads
- Frequency range from 8MHz to 100MHz
- High precision and high reliability
- Automatic mounting and reflow soldering
- RoHS Compliant /Pb Free

Typical Applications

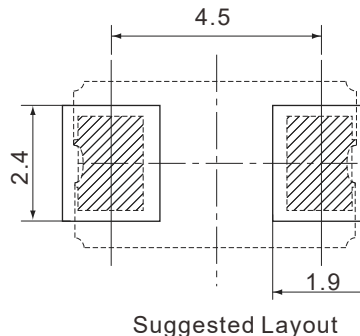
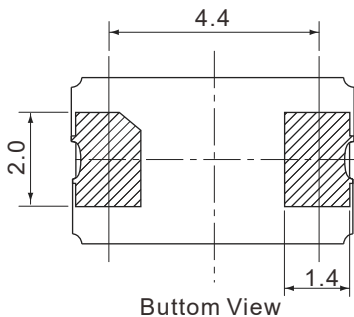
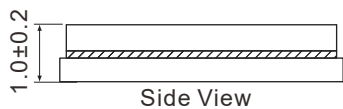
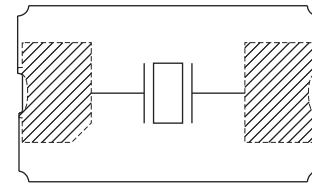
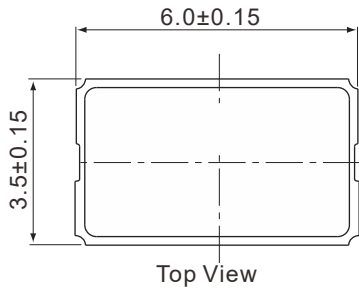
- Telecommunications
- DSC,
- Server, FA, Camera, Test equipment, etc.

Description

XTAL6035AL offers frequency range from 8MHz to 100MHz, 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: MD20001) -1



Unit in mm
1mm = 0.0394 inches



Dynamic Engineers Inc.

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

XTAL(- GAL
SMD Crystal Units

Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Frequency Range	F		8		100	MHz	
Load Capacitance			10pF, 16pF, 20pF, or specify			pF	
Shunt Capacitance	C0				5	pF	
Drive Level			1	100	200	uW	
PADS				2		PADS	
Equivalent Series Resistance (Fundamental)		8~10 MHz			150	ohm	
		10~12 MHz			80	ohm	
		12~40 MHz			50	ohm	
Equivalent Series Resistance (3rd Overtone)		40~100 MHz			70	ohm	
Frequency Stability							
Frequency Stability		Over Operating Temperature	±10ppm~±30ppm, or specify			ppm	
Frequency Tolerance		(at 25°C)	±10ppm~±30ppm, or specify			ppm	
Aging		@+25°C 1st year			±3	ppm	
Environmental Conditions							
Operating temperature range		-40°C to +85°C					
Storage temperature range		-55°C to +125°C					