



### Features and Benefits

Frequency range: 8MHz-60MHz(Fundamental)  
40MHz-125MHz(3<sup>rd</sup> overtone)  
Load capacitance: 6-20pF  
Drivel level: 100uW  
Stability: ±15ppm to ±50ppm  
Operating temperature: -40°C -+85°C  
Size: 6.0x3.5x1.2mm

### Typical Applications

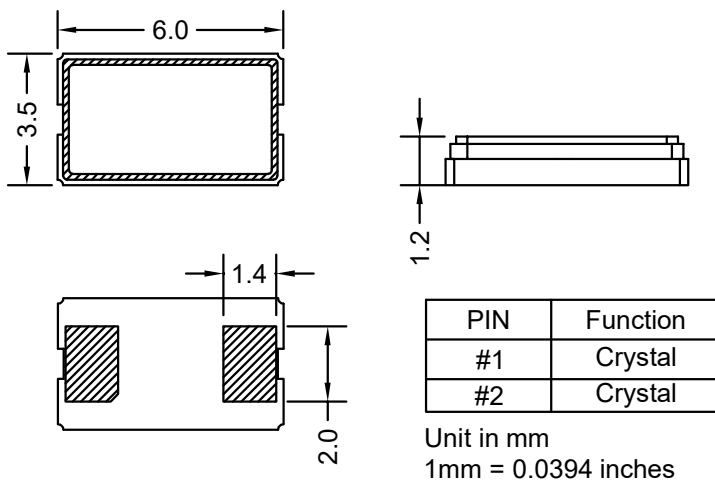
Bluetooth, Mobile phone, GPS  
Wireless LAN,4G/LTE  
Hard Disk

### Description

XTAL6035AX offers Tight tolerance and High stability.  
This device is suitable for use under various telecom and network communication applications.

### Mechanical Drawing & Pin Connections

**Drawing No:** MD240022-1





### Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Frequency Range		40-125MHz for 3 <sup>rd</sup> overtone	8		60	MHz	
Frequency Tolerance		@+25°C	±10, ±20			ppm	
Frequency Stability			±15, ±20, ±50			ppm	
Aging		First year			±5.0	ppm	
Mode			Fundamental or 3 <sup>rd</sup> overtone				
Level of drive				100		uW	
DLD		50nW to 100uW			±10	ppm	
RLD		50nW to 100uW			20%	ohm	
Shunt capacitance	C0				5.0	pF	
Load Capacitance	CL		8,18,20			pF	
Insulative Resistance		Min @ 100Vdc ±15Vdc		500		Mohm	
Equivalent Series Resistance (ESR)		8-10MHz			60	ohm	
		10-14MHz			50		
		14-20MHz			40		
		20-60MHz			30		
		40-125MHz (3 <sup>rd</sup> overtone)			80		
Operating temperature			-20°C to +70°C, -40°C to +85°C				
Storage temperature			-55 °C to +125°C				
Sealing Method			Seam Weld				
Moisture Sensitivity Level			1				