Dynamic Engineers Inc.

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

LH5 @/6 %&5 L High Stability SMD Crystal

Features and Benefits

Frequency range: 24MHz-54MHz Load capacitance: 6-20pF Drivel level: 10-100uW Stability: ±15ppm to ±50ppm

Operating temperature: -40°C -+85°C

Size: 1.6x1.2x0.35mm

Typical Applications

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

Description

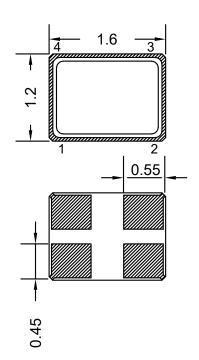
XTAL1612AX offers Tight tolerance and High stability.

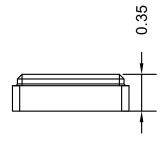
This device is suitable for use under various telecom and network communication applications.

Mechanical Drawing & Pin Connections

Drawing No:

MD24001&-1





PIN	Function
#1	Crystal
#2	GND
#3	Crystal
#4	GND

Unit in mm

1mm = 0.0394 inches



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LH5 @/6 %85 L High Stability SMD Crystal

Specifications

Oscillator Specification	Cum	Condition	Value			11-24	Nete
	Sym		Min.	Тур.	Max.	Unit	Note
Frequency Range			24		54	MHz	
Frequency Tolerance		@+25°C	±10, ±20, ±50			ppm	
Frequency Stability			±15, ±20, ±50, ±100			ppm	
Aging		First year			±3.0	ppm	
Mode			Fund				
Level of drive				10	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)		24-30MHz			150		
		30-39MHz			100	ohm	
		40-54MHz			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				