

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

Features and Benefits

High reliability & Low Cost Proven resistance welded metal package Tight stability & extended temperature Wide frequency range from 3MHz to 100MHz RoHS Compliant /Pb Free

Typical Applications

IoT Consumer product, HDTV, Communication, Visual applications, etc.

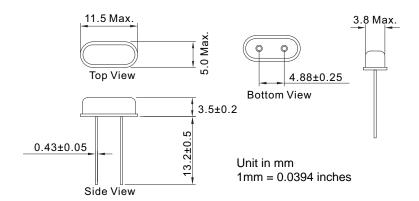
Description

XTAL49SAL offers frequency range from 3MHz 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





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Specifications

Oscillator Specification	Sym	Condition	Value			Heit	Note
			Min.	Тур.	Max.	Unit	Note
Frequency Range	F		3		100	MHz	
Load Capacitance			16pF, 20pF, or specify		pF		
Shunt Capacitance	C0				7	pF	
Drive Level			1	100	500	uW	
Equivalent Series Resistance (Fundamental)		3~3.79MHz			200	ohm	
		3.8~5.0MHz			150	ohm	
		5~10MHz			80	ohm	
		10~14MHz			40	ohm	
		14~36MHz			30	ohm	
Equivalent Series Resistance (3rd Overtone)		27~30MHz			100	ohm	
		30~50MHz			80	ohm	
		50~100MHz			60	ohm	
Frequency Stability	,						•
Frequency Stability		Over Operating Temperature	±30ppm, or specify		ppm		
Frequency Tolerance		(at 25°ℂ)	±30ppm, or specify		ppm		
Aging		@+25°C 1st year			±3	ppm	
Environmental Conditions							
Operating temperature range		-20°C to +70°C					
Storage temperature range		-55°C to +125°C					