

## Features

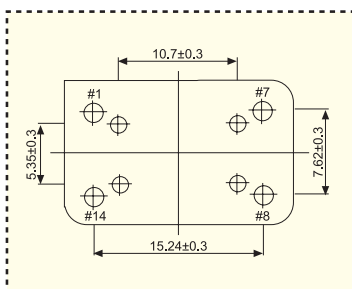
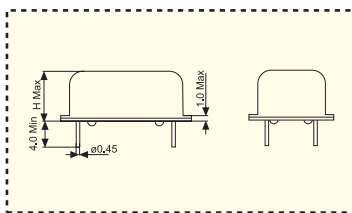
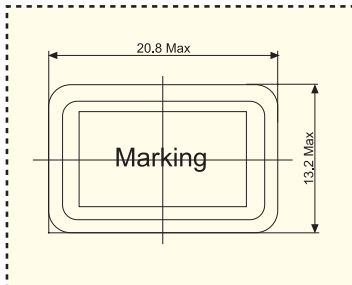
- ★ Stable frequency
- ★ Low height
- ★ High reliability and precision

## Applications

- ★ PLL circuit
- ★ AFC circuit
- ★ FM modulator



## Dimension (Unit: mm)



## Specifications (Characteristics)

Item	Unit	VCXO	
Frequency Range	MHz	1~49.9MHz	
Standard Frequency	MHz	8.192, 12.288, 16.384, 18.432, 24.572, 32.768, 35.328, 44.736	
Frequency Stability	ppm	±50, ±100★	
Operating Temperature Range	°c	-10 ~ +70	
Storage Temperature Range	°c	-40 ~ +85	
Power Supply voltage(Vdd)	VDC	±5.0	±3.3
External control function / External control voltage	ppm	±100 Min/+2.5V±2.0 VDC	±100 Min/ +1.65 ±1.6 VDC
Current Consumption	mA	25 (F ≤ 20MHz) 35 (F > 35MHz)	
Output		TTL-CMOS	
Output Level		CMOS	TTL
Load		15pF	10TTL
Voltage	V	VoL : 0.1Vdd Max. VoH : 0.9Vdd Min.	VoL : 0.4 Max VoH : 2.4 Min
Rise and fall time	ns	10 ns Max. (at 10% ~ 90% Vdd)	10 ns Max. (at 0.4 ~ 2.4VDC)
Symmetry	%	40% ~ 60% at 0.5Vdd	40% ~ 60% at 1.4V
Phase noise (at 1.0KHz)		-135 dBc /Hz Typ. : F<12MHz -130 dBc /Hz Typ. : 12≤F<20MHz -125 dBc /Hz Typ. : 20≤F<40MHz	

★ Commonly used

## Pin connection and Height

Terminal	Connection
#14	+VDD
#8	OUTPUT
#7	GND
#1	VCONT

Model	Height (Unit: mm)
VCXO/DIP14H	8.0
VCXO/DIP14L	5.08

## Part Number and Ordering

Part Number Code	Holder Type + Frequency + Stability VS Temp. + Operating Temp. + PPM/VDC + Supply voltage
Ordering Code	Same as Above
Example	VCXO/DIP14H-12.288M-100- -10/70-100/1.65-3.3V