High Stability Crystal Oscillator

VCO Sereis

Features

- Wide frequency range
- Tri-State Function
- TTL/HCMOS
- RoHS Compliant / Pb Free

Specifications

Holder Type	Half size (Dip 08) / Full size (Dip 14)	
Frequency	1.000Mhz ~ 150.000Mhz	
Operating Temperature Range	-10℃ to +60℃ typical or custom-designed	
Storage Temperature Range	- 40℃ to +85℃ typical	
Frequency	±5ppm ~ ±30ppm	
Supply Voltage	5.0V or 3.3V ±10%	
Current Consumption	5.0V	3.3V
	25mA (1.000 ~ 35.999Mhz)	20mA (1.000 ~ 35.999Mhz)
	60mA (36.00 ~ 69.999Mhz)	40mA (36.00 ~ 69.999Mhz)
	80mA (70.00 ~ 150.00Mhz)	60mA (70.00 ~ 150.00Mhz)
Output Waveform	TTL/HCMOS	
Output Load	10TTL or 15pF HCMOS	
Symmetry	40/60% or	
Rise/Fall Time	10nS	
Output Voltage "1" VoH	TTL: 2.4V Min.	HCMOS: 90%V Min.
"0" VoL	TTL: 0.4V Max.	HCMOS: 10%V Max.
Start-Up Time	10mS Max.	
Pin 1 Tri-State Function	T: Enable / N: Disable	
Aging (at 25℃)	±5ppm/ year Max.	

How to order

VCO08	24M	5	T	1	3
Series No Holder Type	Frequency	Input Voltage	Output Code	Operating Temperature	Frequency Stability
VCO08 VCO14	20=20 Mhz 24=24 Mhz 40= 40 Mhz	5 = 5.0V 3 = 3.3V	T = TTL H = HCMOS	1=- 10℃ to +60℃ 2=- 20℃ to +70℃ 3=- 40℃ to +85℃	1=10ppm 2=20ppm 3=30ppm 5=50ppm 0=100ppm

MSC

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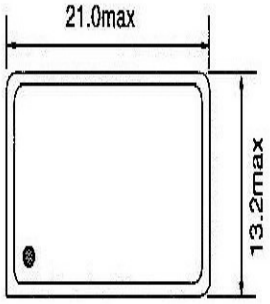
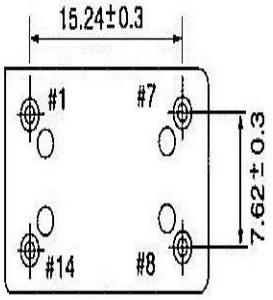
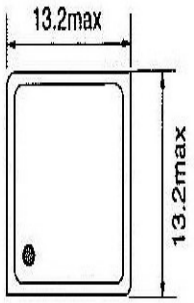
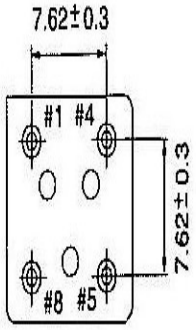
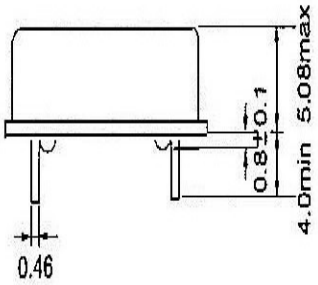
Dimensions (mm)





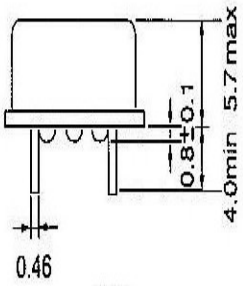






• Pin Configuration

#1	NC or Tri-state
#7	Ground
#8	Output
#14	V_{DD}



• Pin Configuration

#1	NC or Tri-state
#4	Ground
#5	Output
#8	V_{DD}