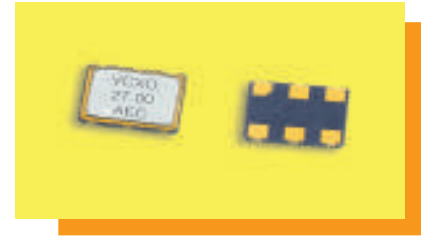


**Features**

- ★ Stable frequency
- ★ Low height
- ★ High reliability and precision
- ★ Eutectic reflow soldering

**Applications**

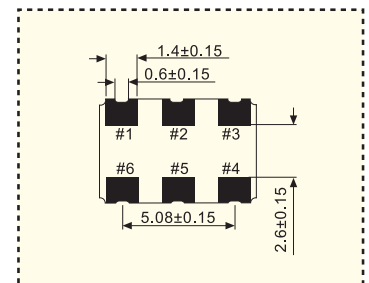
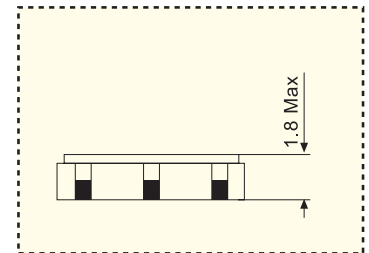
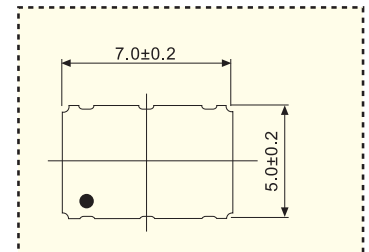
- ★ Set top box
- ★ ADSL
- ★ MPEG
- ★ Cable modem



**Specifications (Characteristics)**

Item	Unit	VCXO	
Frequency Range	MHz	2~47	
Standard Frequency	MHz	2.048, 16.384, 19.44, 20, 27, 35.328	
Frequency Stability in	ppm	±30 Max	
Operating Temp. Range		±50 Max	
Operating Temperature Range	°c	-20 ~ +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 / +1.65 ±1.35 VDC
Current Consumption	mA	15 (F≤ 20MHz) 20 (20 - 30MHz) 25 (>30MHz) 30 (>40MHz)	10 Max (F≤20 MHz) 15 Max (20-30 MHz) 20 (>30MHz) 25 (>40MHz)
Output	Load	15pF	
	Voltage	V	Vol : 0.1Vdd Max. Voh : 0.9Vdd Min.
	Rise and fall time	ns	10 ns Max. 6 ns Max. (F > 10 MHz) at 10% ~ 90% Vdd
	Symmetry	%	45% ~ 55% at 0.5Vdd
Phase noise		-130 dBc /Hz Typ. (at 1.0KHz)	

**Dimension (Unit: mm)**



**Connection (Unit: mm)**

Terminal	Connection
#1	+VCC
#2	N.C. or INH
#3	GND
#4	OUTPUT
#5	N.C.
#6	VDD

**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/SMD7050-27.0M-50- -20/70-100/1.65-3.3V