

Voltage Controlled Crystal Oscillator

(VCX07050 Series)

Features

- Ultra small SMD type
- Automatic mounting
- RoHS Compliant / Pb Free



Specifications

Holder Type		SMD 7.0x5.0			
Parameters		C1	C2	C3	C4
		CMOS		TTL	
Frequency		1.000Mhz ~ 150.000Mhz			
Operating Temperature Range		0℃ to +70℃, -20℃ to +70℃, -40℃ to +85℃			
Storage Temperature Range		- 55℃ to +125℃			
Pad Type		4Pads / 6Pads			
Frequency		±25ppm ~ ±50ppm			
Supply Current		< 30Mhz, 30mA, > 30Mhz, 45Ma			
Aging (at 25℃)		±3ppm/ year Max.			
Load	Output Loading	15pF, 50pF		15pF	
	capacitanc	5.0V		3.3V	
	Voltage Voh(Min.)	4.5Vdc	2.97Vdc	4.5Vdc	2.97Vdc
	Voltage Vlh(Max.)	0.5Vdc	0.33Vdc	0.5Vdc	0.33Vdc
	Symmetry (Duty Cycle)	40/60% Maximum			
	Rise/Fall Time	10ns Max.			
	Start-up Time	10ms Max.			
	Pullability	100ppm Min or Specify			
Frequency Control	Voltage Control	0.5~4.5Vdc	0.3~3.05Vdc	0.5~4.5Vdc	0.3~3.05Vdc
	Monotonic Linearity	< =10%			
	Input Impedance	50K ohms Normal			

Part Number System

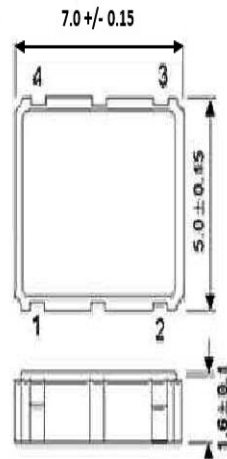
<u>VCX07050</u>	<u>4</u>	<u>C1</u>	<u>24</u>	<u>3</u>	<u>3</u>	<u>R</u>
Series No Holder Type	Pad Type	Parameters	Frequency	Frequency Stability	Oerating Temperature	Package
VCX07050	4=4pad 6=6pad	C1=CMOS 5V C2=CMOS 3V C3=TTL 5V C4=TTL 3.3V	20=20 Mhz 24=24 Mhz 60.536 =60.536Mhz	2=20ppm 3=30ppm 5=50ppm	1=- 10°C to +60°C 2=- 20°C to +70°C 3=- 40°C to +85°C	R=Tape reeled

MSC

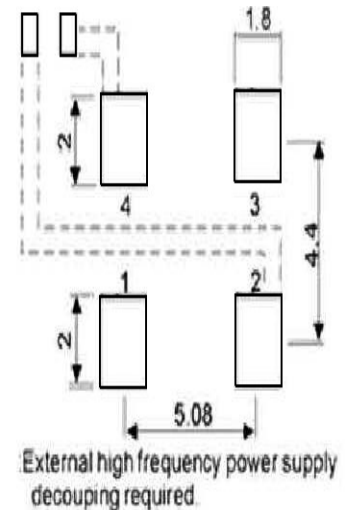
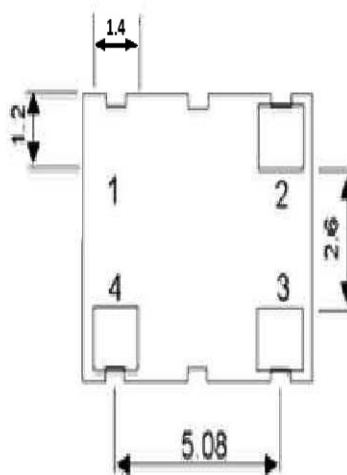
Remark: Specifications subject to change without prior notice. Please confirm with our sales engineer.

(VCX07050 Series)

(4 Pad)

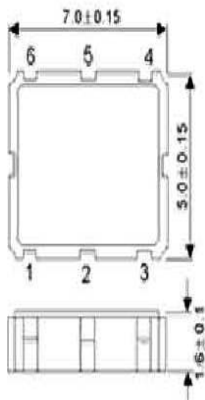


Pin Functions:
1:Control Voltage
2:Ground
3:Output
4:Supply Voltage



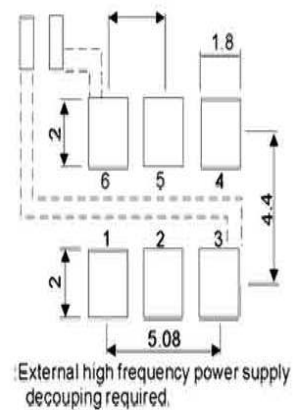
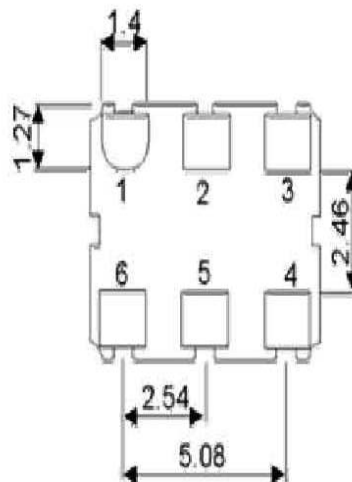
External high frequency power supply
decoupling required.

(6 Pad)



Pin Functions:
1:Control Voltage
3:Ground
4:Output
6:Supply Voltage

2.5:Enable Function Selected



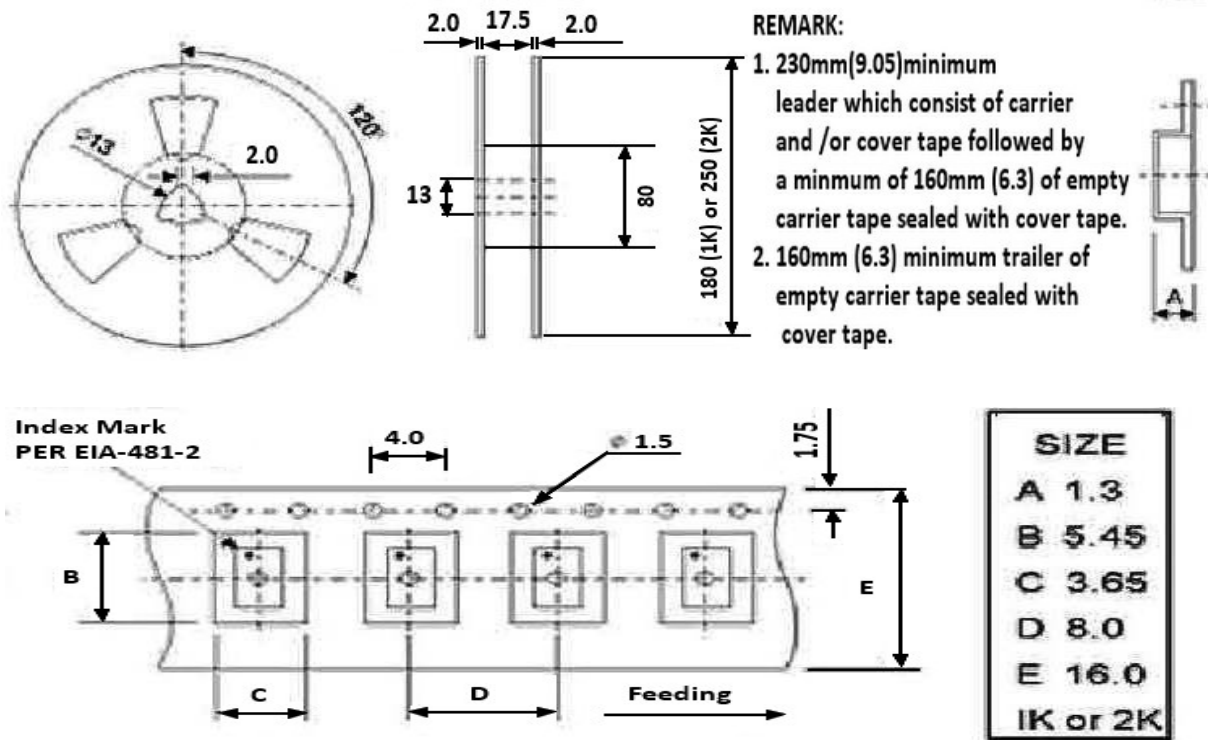
External high frequency power supply decoupling required.

MSC

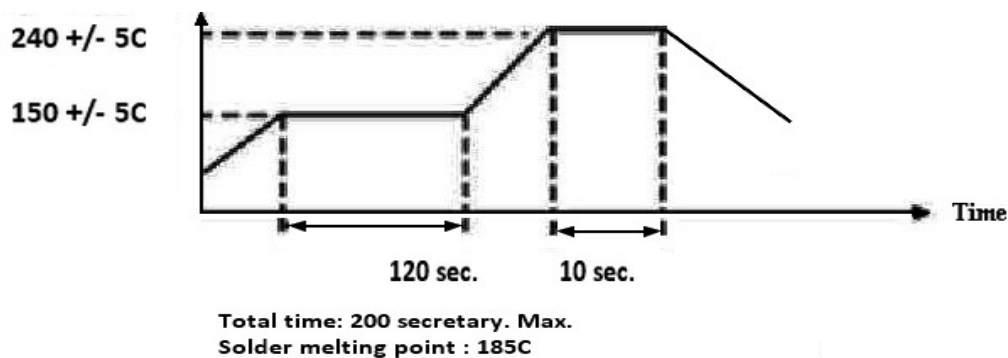
Voltage Controlled Crystal Oscillator

(VCX07050 Series)

Packing



Reflow Condition



MSC

Remark: Specifications subject to change without prior notice. Please confirm with our sales engineer.