

# CRYSTAL OSCILLATOR

Series HCO-6S, Seam Sealed Ceramic 7x5mm Voltage Controlled Crystal Oscillator VCXO

## FEATURE

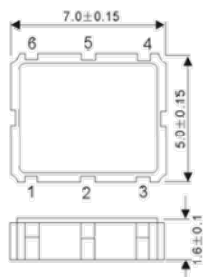
- Ultra small SMD type
- High precision characteristics covering up to high frequency range
- Automatic mounting

## ELECTRICAL SPECIFICATIONS

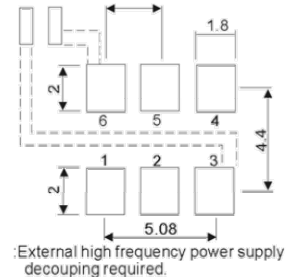
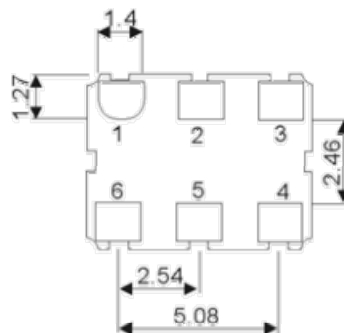
Parameters		C1	C2	C3	C4
Fan Out Type		CMOS		TTL	
		5V	3V	5V	3.3V
Frequency Range		1MHz ~ 125MHz			
Frequency Stability		±25, ±50, ±100ppm			
Operating Temperature		0-70°C, -20-70°C, -40-85°C			
Storage Temperature		-55 ~ 125°C			
Pad Type		4Pads / 6Pads			
Supply Current		≤30MHz, 30mA, >30MHz, 45Ma			
Aging (at 25°C)		±3ppm/year Maximum			
Load	Output Loading Capacitance	15pF, 50pF		15pF	
	Voltage Voh(Min.)	4.5Vdc	2.97Vdc	4.5Vdc	2.97Vdc
	Voltage Vih(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.			
Frequency Control	Pullability	100ppm Min or specify			
	Voltage Control	0.5~4.5Vdc	0.3~3.05Vdc	0.5~4.5Vdc	0.3~3.05Vdc
	Monotonic Linearity	≤ 10%			
	Input Impedance	50Kohms Normal			

## MARKING AND DIMENSIONS

(6 Pad)



Pin Functions:  
 1:Control Voltage  
 3:Ground  
 4:Output  
 6:Supply Voltage  
 2.5:Enable Function Selected



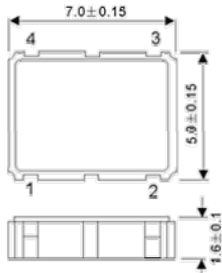


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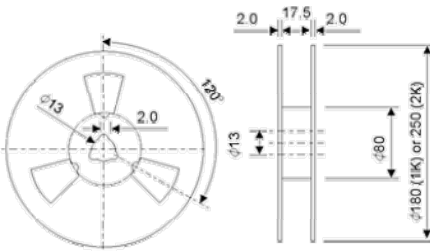
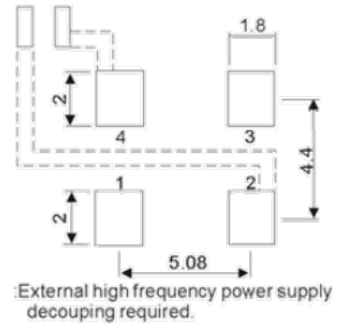
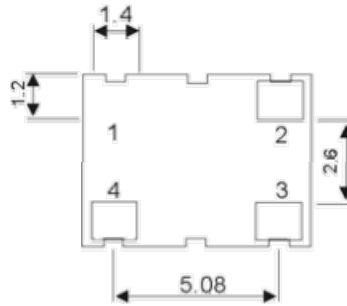
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**Series HCO-6S, Seam Sealed Ceramic 7x5mm Voltage Controlled Crystal Oscillator VCXO**

**DIMENSIONS:  
(4 Pad)**

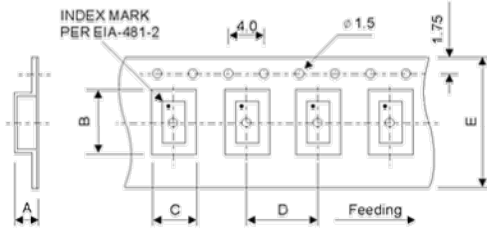


**Pin Functions:**  
 1:Control Voltage  
 2:Ground  
 3:Output  
 4:Supply Voltage



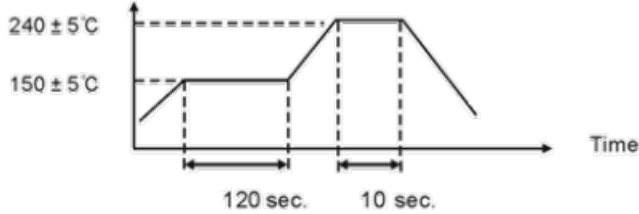
**REMARK:**  
 1.230 mm (9.05) minimum leader which consist of carrier and/or cover tape followed by a minimum of 160 mm (6.3) of empty carrier tape sealed with cover tape.  
 2.160 mm (6.3) minimum trailer of empty carrier tape sealed with cover tape.

**PACKING:**



SIZE
A 1.3
B 5.45
C 3.65
D 8.0
E 16.0
IK or 2K

**REFLOW ONDITION:**



Total time : 200 secondary. Max.  
 Solder melting point : 185°C

## PART NUMBER

HCO -	6S6	C4	19.200	50	A
	6S4:4pad	C1	Frequency	Frequency stability	operating temperature
	6S6:6pad	C2		50:±50ppm	A:-10°C-70°C
		C3			B:-40°C-85°C
		C4			

