

## K.C.C Oscillator Unit(HCO Series)



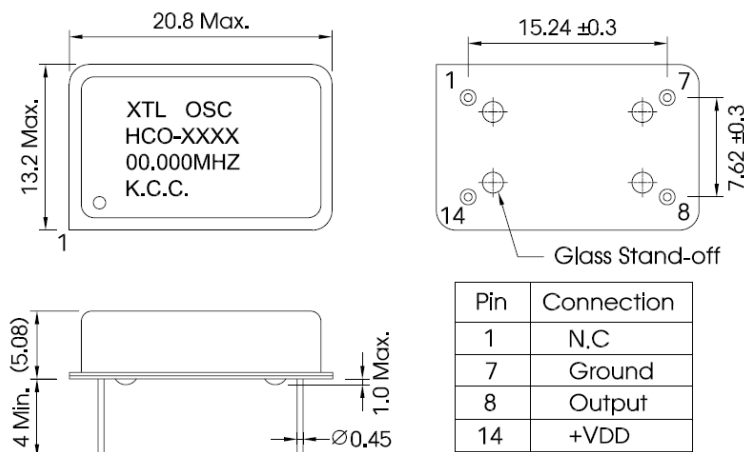
### Features & Applications

- Full Size
- HCMOS output
- 3.3V or 5.0Vdc supply voltage
- 14 pin DIP-IC foot-print
- Low cost
- RoHS Compliant.

### General Specifications

Parameter	HCO Series	
Frequency Range	1.0 ~200.0 MHz	
Frequency Tolerance	± 25 / 50 / 100ppm	
Operating Temperature Range	-20 to +70°C or specify	
Storage Temperature Range	-40 to +125°C	
Supply Voltage	+5.0V±0.5Vdc	+3.3V±0.1Vdc
Supply Current	1-30MHz	20mA Max.
	30-50MHz	30mA Max.
	55-133MHz	35mA Max.
	133-166MHz	40mA Max.
	166~200Mhz	50mA Max.
Symmetry (Duty Cycle)	45% to 55% at 50%VDD	
Rise and Fall Time	5ns Max.	
Start Time	5ms Max	
Output Logic High " 1 "	4.5V Min. (90% VDD)	2.97V Min. (90% VDD)
Output Logic Low " 0 "	0.5V Max. (10% VDD)	0.33V Max. (10% VDD)
Output Load	15pF typical	

### Outline and Dimensions [Unit: mm]



### Order Part No.:

Product name: **Q 25.000 F 5 B - G**

① ② ③ ④ ⑤ ⑥

- ① KCC Oscillator
- ② Frequency
- ③ Full Size
- ④ Supply Voltage : 5=5V / 3=3.3V
- ⑤ Frequency Tolerance : A=±25 / B=±50 / C=±100
- ⑥ RoHS Compliant