

# Series OLH

## 25.8×25.8mm Oven Controlled Crystal Oscillator

### FEATURE

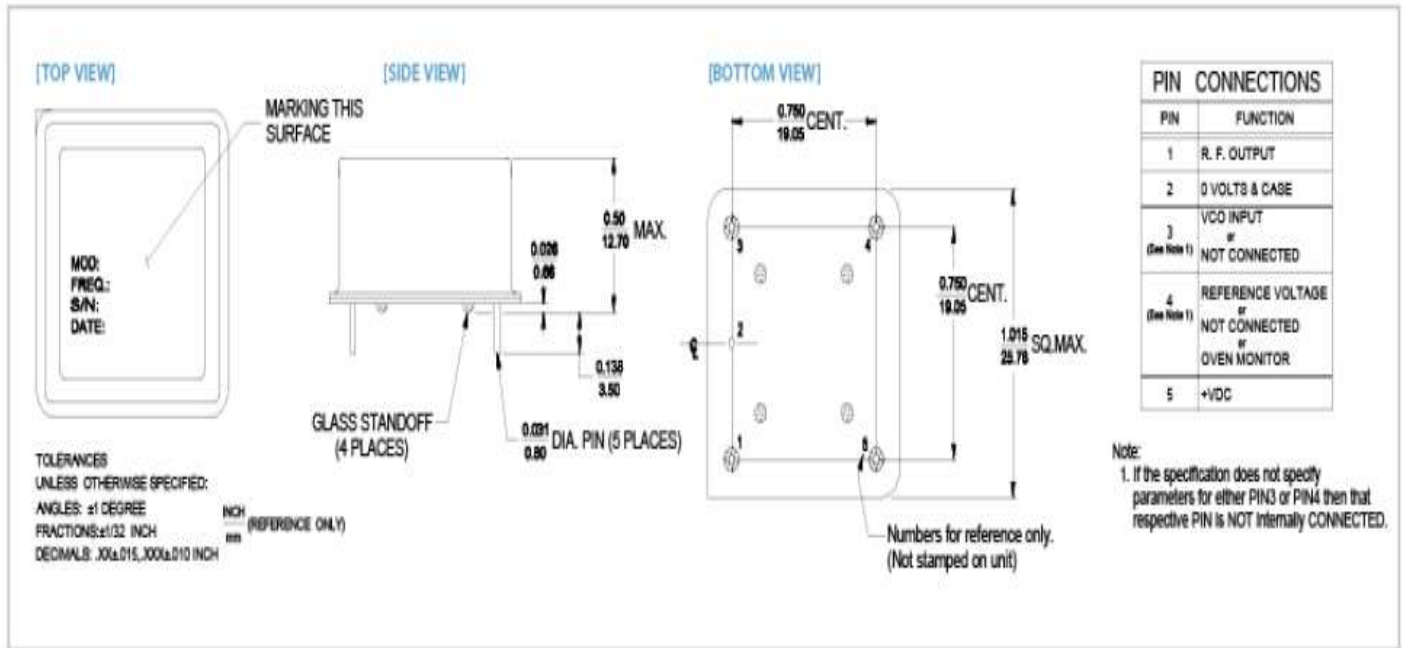
- Dimension 25.8×25.8×12.7mm typical.
- SC Cut Crystal

### APPLICATION

- SDH/SONET, Telecommunication base station
- Test and measurement equipment
- Synthesizer, Digital switch, Reference Timing Circuit



### DIMENSION



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### ELECTRICAL SPECIFICATION

Parameter	Min.	Typ.	Max.	Unit	Test Condition & Noted
<b>Output</b>					
Frequency		10		MHz	Available frequency range is from 5-100MHz. Standard frequency are 10,12.8,13,15.36,16.384,19.2,20,25,38.88 and 100MHz.
Waveform		Sine Wave			Square wave output is available. Consult factory for more information.
Level	6	8	10	dBm	
Load		50		Ω	
Harmonics			-30	dBc	
Spurious			-60		
<b>Frequency Stability</b>					
Ambient	-10		10	ppb	-30°C to +70°C, referenced to +25°C. Refer to Freq.stability Vs Temp. Range table
Aging					
Daily	-5.0		5.0	ppb	after 30days
Yearly	-50		50		
10 years	-3.0		3.0	ppm	
Voltage	-5.0		5.0	ppb	±5% change
Warm-up	-10		10		In 10 minutes @+25°C, referenced to 1 hour
Phase			-120.	dBc/HZ	@ 10 Hz
			-135.		@ 100 Hz
			-145.		@ 1kHz
			-150.		@10 kHz
<b>Electrical Frequency Adjustment</b>					
Range			-5.0	ppm	VCO @ 0 V
	5				VCO @ +3.3V
Control	0	1.65	3.3	V	
Slope		Positive			
Input impedance	100			KΩ	
<b>Input Power</b>					
Voltage	3.135	3.3	3.465	V	5.0V input voltage is available. Consult factory for control voltage and output level.
Current			1000	mA	@ turn on
Steady state			1.3	W	@+25°C

**Packing: 40 pcs/Box,5 boxes/Carton,200 pcs/Carton**

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### FREQ . STABILITY VS TEMP. RANGR

ppb Tem.(°C)	±3	±5	±10
0 ~+70	0	0	0
'-30 ~+70	△	0	0
'-40 ~+85	△	0	0

O: Available △:Conditional X: Not available