## — Features and Benefits

10MHz--52MHz Frequency range 1.8V,2.5V,2.8V,3.0V and 3.3V Supply voltage Clipped Sinewave Output waveform ±0.5ppm Stability Vs -40C --+85C 2.0x1.6mm Size 16.369,19.2,26,38.4MHz standard frequency

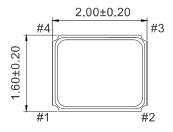
TEL: 1-281-870-8822 EMAIL:Sales@DynamicEng.com

## **Typical Applications**

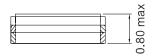
GPS WiMAX, WLAN Mobile Phone IoT, Wearable Electronics

## **Mechanical Drawing & Pin Connections**

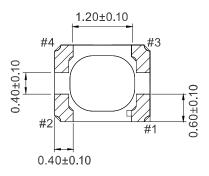
#### [TOP VIEW]



#### [SIDE VIEW]



#### [BOTTOM VIEW]

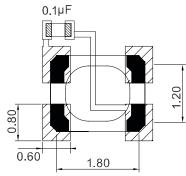


Pin#	Function					
1	VCON:VC-TCXO					
'	GND / NC: TCXO					
2	GND					
3	Output					
4	VDD					

Unit in mm 1mm = 0.0394 inches

### **Drawing No:**

MD1) 00% -'



Recommended soldering pattern.

# Dynamic Engineers Inc.

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## H7 L C &\$%\* GSgYf]Yg ή¢;FĒ ¼ { ÂÙT ÖÁXÔVÔÝUÁ

## **Specifications**

Curacification	Conditon	3.3V/3.0V/2.8V		2.5V		1.8V		11	
Specification		Min.	Max.	Min.	Max.	Min.	Max.	Unit	
Supply Voltage Variation(VDD)		2.66	3.465	2.375	2.625	1.71	1.89	V	
Frequency Range		10	52	10	52	10	52	MHz	
Frequency Tolerance	@25°C,1 hour after reflow		±2.0		±2.0		±2.0	ppm	
Standard Frequency		16.369,19.2,26,38.4				MHz			
Frequency Stability									
Vs Supply Voltage Change	±5%		±0.2		±0.2		±0.2	ppm	
Vs Load Change	±10%		±0.2		±0.2		±0.2	ppm	
Vs Aging(first year)			±1.0		±1.0		±1.0	ppm	
Supply Current	10MHz≶Fo≶26MHz	-	1.5	-	1.5	-	1.5	mA	
	26MHz <fo≤52mhz< td=""><td>-</td><td>2.0</td><td>-</td><td>2.0</td><td>-</td><td>2.0</td><td>IIIA</td></fo≤52mhz<>	-	2.0	-	2.0	-	2.0	IIIA	
Output Level(Clipped Sinewave)		0.8	-	0.8	-	0.8	-	Vp-p	
Load		10kohr	n//10pf	10kohm//10pf		10kohm//10pf			
Control Voltage Range	VCTCXO	0.5	2.5	0.4	2.4	0.3	1.5	V	
Pulling Range	VCTCXO	±5.0		±5.0		±5.0		ppm	
Vc Input Impedance	VCTCXO	500		500		500		kohm	
Phase Noise@19.2MHz									
100Hz		-115		-115		-115		dBc/H	
1KHz		-135		-135		-135		UDC/FI	
10KHz		-148		-148		-148		_	
Start Time		-	2	-	2	-	2	mSec	
Storage Temp. Range		-55°C to +125°C					°C		

# **Frequency Stability vs. Temperature**

	±0.5PPM	±1.0PPM	±1.5PPM	±2.0PPM	±2.5PPM
-20°C to +70°C	Available	Available	Available	Available	Available
-30°C to +85°C	Available	Available	Available	Available	Available
-40°C to +85°C	Available	Available	Available	Available	Available

Note: not all combination of options are available. Other specifications may be available upon request.