



### 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

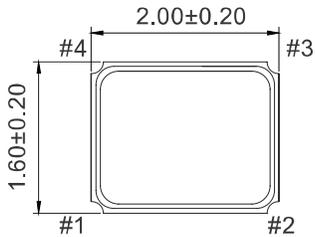
### Typical Applications

- GPS
- WiMAX, WLAN
- Mobile Phone
- IoT, Wearable Electronics

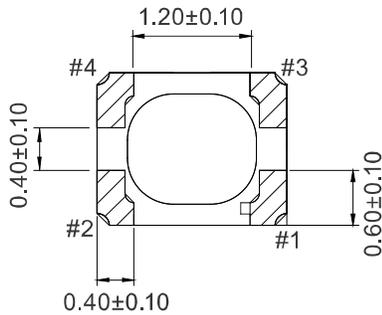
### Mechanical Drawing & Pin Connections

Drawing No: MD1) 00% -'

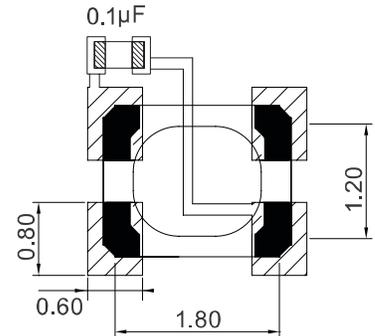
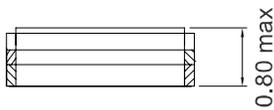
[ TOP VIEW ]



[ BOTTOM VIEW ]



[ SIDE VIEW ]



Recommended soldering pattern.

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

Unit in mm  
1mm = 0.0394 inches



### Specifications

Specification	Conditon	3.3V/3.0V/2.8V		2.5V		1.8V		Unit
		Min.	Max.	Min.	Max.	Min.	Max.	
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	-	2.0	-	2.0	-	2.0	
Output Level(Clipped Sinewave)		0.8	-	0.8	-	0.8	-	Vp-p
Load		10kohm//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 z
1KHz		-135		-135		-135		
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.