



### Features and Benefits

- Frequency range: 26MHz
- Supply voltage: 3.3V
- Steady current: 2mA
- Output waveform: Clipped sinewave
- Frequency stability vs. operating temperature:0.5ppm
- Aging: 1ppm per year
- Phase noise@100KHz: -145dBc/Hz
- Operating temperature: -30°C to +85°C
- Size: 3.2x2.5x1.2mm

### Typical Applications

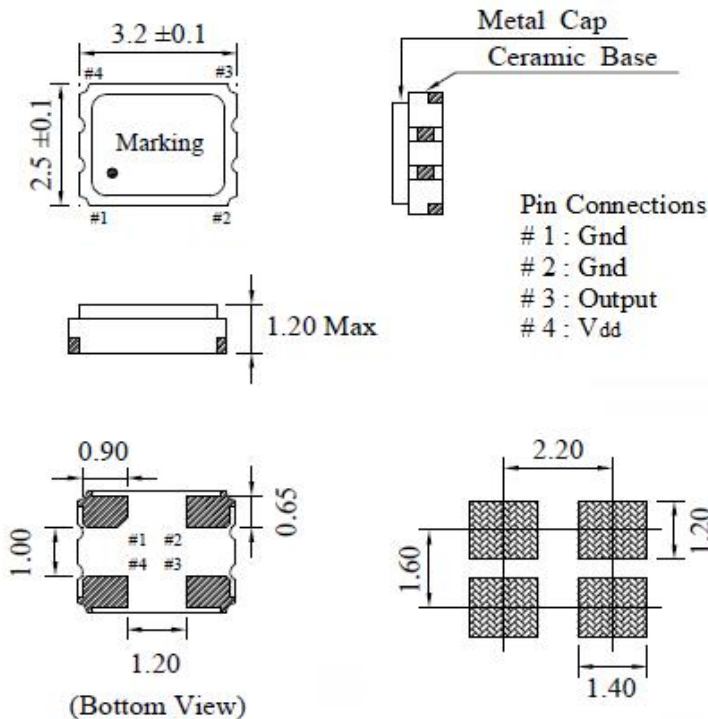
- UHF Synthesizers
- SATCOM System
- Portable Microwave Applications

### Description

TCXO3225CI-26MHz-A offers wide temperature operation from -30°C to +85°C with outstanding frequency stability and low phase noise performance.

### Mechanical Drawing & Pin Connections

Drawing No: MD21000\* -1



Unit in mm  
1mm = 0.0394inches



## Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency	F <sub>nom</sub>			26		MHz	
Output			Clipped Sinewave				
Output Level			0.8Vp-p Min.				
Output load		±10%	10kohm//10pF				
<b>Power Supply</b>							
Voltage	V <sub>cc</sub>	±5%		3.3		V	
Current Consumption					2	mA	
<b>Frequency Stability</b>							
Versus temperature		-30°C to +85°C Vs+25°C±2°C			±0.5	ppm	
Tolerance		at +25°C±2°C before reflow			±1.0	ppm	
Versus ±5% change in supply voltage					±0.2	ppm	
Versus ±10% change in load					±0.2	ppm	
First Year Aging					±1.0	ppm	
Phase noise		10Hz		-80		dBc/Hz	
		100 Hz		-110			
		1000 Hz		-130			
		10 KHz		-145			
		100 KHz		-145			
<b>Environmental Conditions</b>							
Operating temperature range		-30°C to +85°C					
Storage temperature range		-40°C to +85°C					