#### **Features and Benefits**

Frequency range: 27.095MHz

Supply voltage: 5.0V Steady current: 25mA/Max Output waveform: Sinewave

Frequency stability vs. operating temperature: ±2.0ppm

Aging: ±1.0ppm/year

Operating temperature: -40°C to +85°C

Size: 20x13x7.5mm

### **Typical Applications**

**UHF Synthesizers** SATCOM System Portable Microwave Applications

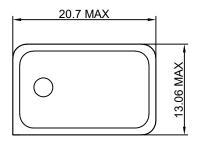
### **Description**

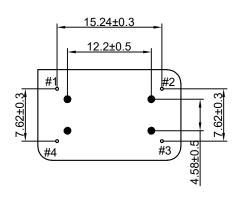
TCXO2013BE-27.095MHz-A offers wide temperature operation from -40°C to +85°C with outstanding frequency stability performance.

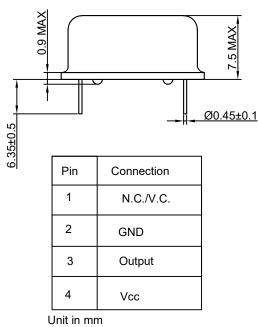
## **Mechanical Drawing & Pin Connections**

**Drawing No:** 

MD240021-1







1mm = 0.0394 inches



# Dynamic Engineers Inc.

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TCXO2013BE-27.095MHz-A Pã @Ácæàāãő ÁG ÈEJÍ TP: ÁJĀ^, æç^ÁVÔÝUÁÁ

### **Specifications**

Oscillator Specification		0	Condition	Value			11-24	Nete
		Sym		Min.	Тур.	Max.	Unit	Note
Operational Frequency		F <sub>nom</sub>			27.095		MHz	
Sinewave	Output power				+5		dBm	
	Output Load				50		ohm	
Power Sup	oply							
Voltage		V <sub>cc</sub>	±5%		5.0		V	
Current Consumption						25	mA	
Frequency	Stability							
Versus temperature			-40°C to +85°C			±2.0	ppm	
Versus voltage			±5%			±0.2	ppm	
Versus load			±5%			±0.2	ppm	
Aging per year						±1.0	ppm	
Frequency Adjustment			By internal trimmer	±3.0			ppm	
Environme	ental Conditions							
Operating temperature range		-40°C to +85°C						
Storage temperature range		-45°C to +	90°C	•	•			