

## Dynamic Engineers Inc.

2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

# **Features and Benefits**

Frequency range: 5MHz Supply voltage: 5.0V Steady current: 8mA Max Output waveform: Sinewave Frequency stability vs. operating temperature: +1ppm Aging: +1ppm per year Operating temperature: -20°C to +70°C Size: 36x27x10mm

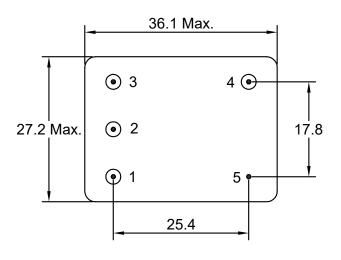
### **Typical Applications**

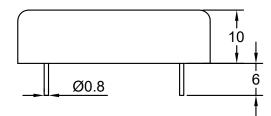
UHF Synthesizers SATCOM System Portable Microwave Applications

#### Description

TCXO3627BT-5MHz-A-V offers wide temperature operation from -20°C to +70°C with outstanding frequency stability performance.

## **Mechanical Drawing & Pin Connections**





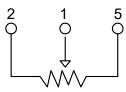
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Pin Function:

#1	Freq. Adjustment
#2	Freq. Adjustment
#3	Supply Voltage
#4	RF Output
#5	GND

Unit in mm 1mm = 0.0394 inches

Frequency adjustment



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Rev. 1

Dynamic Engineers reserves the right to make changes to the company datasheet(s) along with other information contained inside; such as data tables and araphs without notification to potential customers who may have earlier revisions in their possession.



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# **Specifications**

Oscillator Specification	Sym Condition	Value			11-14	Nete	
		Condition	Min.	Тур.	Max.	Unit	Note
Operational Frequency	F <sub>nom</sub>			5		MHz	
Output				Sinewave			
Output Level			0			dBm	
Output load				50		ohm	
Power Supply							
Voltage	V <sub>cc</sub>	±5%		5.0		V	
Current Consumption					8	mA	
Frequency Stability							
Versus temperature		-20°C to +70°C			+1.0	ppm	
Versus voltage		±5%			+0.1	ppm	
Versus load		±5%			+0.1	ppm	
Frequency correction			±5ppm by external trimmer 20kohm			ppm	
First Year Aging				+1.0		ppm	
Environmental Conditions							
Operating temperature range	-20°C to +	70°C					
Storage temperature range	-55°C to +	105°C					