



### 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

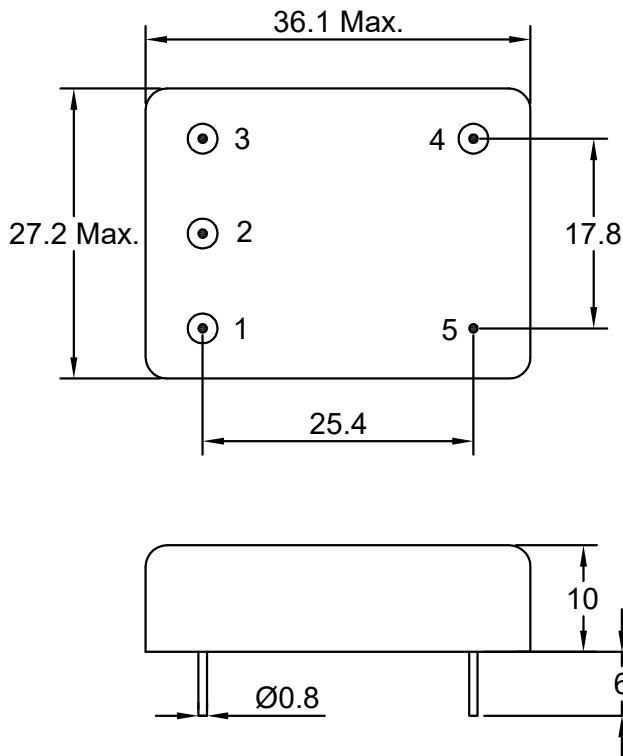
- UHF Synthesizers
- SATCOM System
- Portable Microwave Applications

### Description

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

### Mechanical Drawing & Pin Connections

Drawing No: A88441

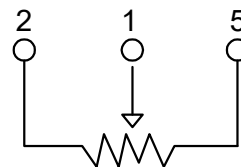


#### Pin Function:

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

Unit in mm  
1mm = 0.0394 inches

#### Frequency adjustment





### Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency	F <sub>nom</sub>			5		MHz	
Output			Sinewave				
Output Level			0			dBm	
Output load				50		ohm	
<b>Power Supply</b>							
Voltage	V <sub>cc</sub>	±5%		5.0		V	
Current Consumption					8	mA	
<b>Frequency Stability</b>							
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	
<b>Environmental Conditions</b>							
Operating temperature range		-20°C to +70°C					
Storage temperature range		-55°C to +105°C					