



### Features and Benefits

- High stability OCXO
- Sine wave output
- Frequency Tuning Input
- 5V supply voltage

### Typical Applications

- Signal Analyzer Reference for internal synthesizers
- Harsh Environment Applications

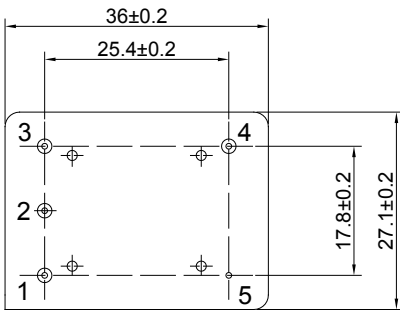
### Description

OCXO3627M-26MHz-A-V is High stability OCXO with Sine wave output

### Mechanical Drawing & Pin Connections

Drawing No: MD150087-1

Bottom View

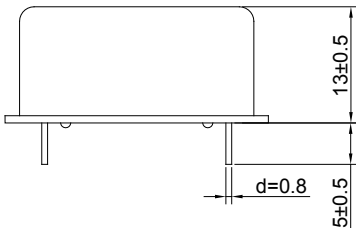


Pin Connections:

Pin	Symbol	Function
1	Vc	Control Voltage(EFC)
2	VREF	Reference Voltage
3	Vs	Supply Voltage
4	RF OUT	RF Output
5	GND	Ground

Unit : mm

Side View





Specifications

OCXO Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Frequency Range	F <sub>0</sub>			26.000		MHz	
<b>RF Output</b>							
Output Waveform			Sine wave				
Load				50		Ohm	
Output Level			+6	+8	+10	V	
Harmonics					-30	dBc	
Spurious					-70	dBc	
<b>Power Supply</b>							
Voltage	V <sub>cc</sub>		4.5	5.0	5.5	V	
Current Consumption(Steady State)		@+25°C			1.0	W	
Current Consumption(Warm-up)	I <sub>Warm-up</sub>				3.0	W	
<b>Frequency Control*</b>							
EFC Voltage	V <sub>c</sub>		0	2.5	5	V	
Electronic Frequency Control(EFC)			+/-0.8 to +/-2.0			ppm	Slope
Linearity			-10		+10	%	
<b>Frequency Stability</b>							
Initial Tolerance @+25°C					+/-0.1	ppm	
Vs. Operating Temperature Range		From -20°C to +70°C Steady state			+/-3.0	ppb	
Vs. Supply Voltage Change		+/-5% change			+/-1.0	ppb	
Vs. Load Change		+/-5% change			+/-1.0	ppb	
Short Term Frequency Stability		After 1 hour in ref. to 25°C			0.01	ppb/s	
Stabilization Time		@25°C+/-5°C			300	s	
Aging	Per Day	After 30 Days Operation			+/-1.0	ppb	
	First Year				+/-0.1	ppm	
	Over 10 Years				+/-1.0	ppm	
<b>Phase Noise</b>							
Phase Noise		@10Hz			-120	dBc/Hz	
		@100Hz			-140	dBc/Hz	
		@1KHz			-145	dBc/Hz	
		@10KHz			-150	dBc/Hz	
		@100KHz			-150	dBc/Hz	
		@1MHz			-155	dBc/Hz	
<b>Environmental</b>							
Operating Temperature Range	-20°C to +70°C						
Storage Temperature Range	-40°C to +85°C						