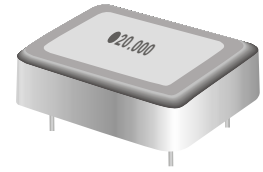


# OCXO3627

## Oven Controlled Crystal Oscillator



### Application

- PCB & Cellular Base Stations
- Synthesizer
- Measurement Equipment
- Digital Switching

### Features

- Stability up to  $\pm 0.05$ ppm
- Low Aging
- Compact Package

### Specification

Model	OCXO3627
Frequency Range, MHz	1.0 ~ 100.0
Dimensions, mm	36.1x27.2x15
Oscillation Mode	AT Cut, SC Cut
Supply Voltage, VDC	+3.0, +5.0, +12.0
Frequency Stability vs Temp	See Table 1
Operating Temp, °C	See Table 1
Storage Temp, °C	-40 ~ +85
Frequency Accuracy, ppm	$\pm 0.5$ , center control voltage
Adjustable Frequency Range	AT: $\pm 7.0$ ppm, SC: $\pm 1.0$ ppm
Aging, PPM	AT: $\pm 0.1$ ~ $\pm 1$ , SC: $\pm 0.1$
Package	Bulk

### Standart Frequencies

Standart Frequencies in MHz	
10.00000	40.00000
12.28800	50.00000
14.40000	60.00000
20.00000	70.00000
20.48000	77.76000
28.32200	80.00000
30.00000	90.00000
38.88000	100.00000

Other frequencies available. Please consult our sales office.

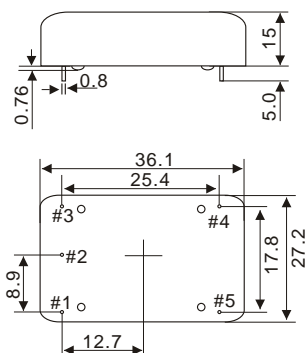
### Frequency Stability vs Temp

Frequency Stability	Temp Range
$\pm 0.01$ ppm AT max	0°C ~ +50°C
$\pm 0.002$ ppm SC max	0°C ~ +50°C
$\pm 0.03$ ppm AT max	-20°C ~ +70°C
$\pm 0.01$ ppm SC max	-20°C ~ +70°C
$\pm 0.05$ ppm AT max	-40°C ~ +75°C
$\pm 0.01$ ppm SC max	-40°C ~ +75°C

### Output Waveform & Load Characteristic

Output Waveform	Output Characteristics	Option Code
Clipping	Load: 10K /10pF	C
Sine Wave	Output level: $> 1$ Vp-p	
TTL	Load: Max 10 low power consumption TTL gates "1" level: $> +2.4$ VDC "0" level: $< +0.2$ VDC Duty Cycle: 45/55 Rise/fall time: $< 6$ ns	D
HCMOS	Load: max 10 low power consumption TTL/HCMOS "1" level: $> +4.3$ VDC "0" level: $< +0.5$ VDC Duty Cycle: 45/55 Rise/fall time: $< 6$ ns	E
ACMOS	Load: max 10 low power consumption TTL/ACMOS "1" level: $> +4.3$ VDC "0" level: $< +0.5$ VDC Duty Cycle: 45/55 Rise/fall time: $< 6$ ns	F

### Through hole Dimensions, mm



PIN	FUNCTION
1	Control Voltage
2	Reference Voltage
3	Power Supply
4	Output
5	GND