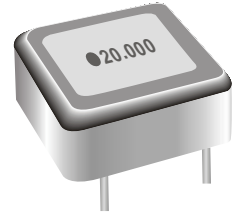


OCXO25

Oven Controlled Crystal Oscillator



Application

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

Features

- Stability up to ± 0.05 ppm
- Low Aging
- Compact Package

Specification

Model	OCXO25
Frequency Range, MHz	1.0 ~ 160.0
Dimensions, mm	25x25x15
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	± 0.5 , center control voltage
Adjustable Frequency Range	AT: ± 7.0 ppm, SC: ± 1.0 ppm
Aging, PPM	AT: ± 0.3 ~ ± 2 , SC: ± 0.1 ~ ± 0.5
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.

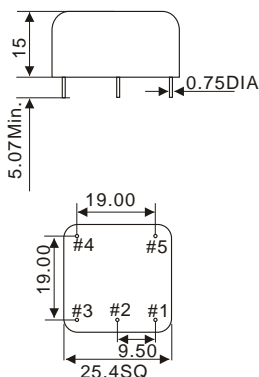
Frequency Stability vs Temp

Frequency Stability	Temp Range
± 0.02 ppm AT max	0°C ~ +50°C
± 0.005 ppm SC max	0°C ~ +50°C
± 0.02 ppm AT max	-20°C ~ +70°C
± 0.01 ppm SC max	-20°C ~ +70°C
± 0.05 ppm AT max	-40°C ~ +75°C
± 0.03 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: $< +0.2$ 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	Output
2	GND
3	Control Voltage
4	Reference Voltage
5	Power Supply