



Oven Controlled Crystal Oscillator

OCXO 2060

Features

- Ultra Stable
- Wide Temperature Range
- Fast Warming-up
- RoHS compliant

Specifications		Option Codes
Frequency Range:		10 MHz ~ 40 MHz
Sine Wave	Output Level:	+7 dBm (min.)
	Harmonious:	-30 dBc (max.)
	Spurious:	-70 dBc (max.)
	Load:	50 Ω \pm 5 %
HCMOS	V _{High} :	2.4 V (min.)
	V _{Low} :	0.4 V (max.)
	Duty Cycle:	45% to 55%
	Rise/ Fall Time:	6 ns (max.)
	Load:	15 pF \pm 5%
Supply Voltage:		+3.3 V \pm 5% +5.0 V \pm 5%
Power Consumption @ 25°C:		3 Watts (max.) during warm-up 1.5 Watts (max.) at steady-state
Supply Voltage Stability:		\pm 5 ppb (max.)
Load Stability:		\pm 5 ppb (max.)
Frequency Tolerance @ 25°C:		\pm 0.1 ppm (max.)
Operating Temperature Range (OTR) and Temperature Stability:		Select from Table 1
Frequency Adjustment Option:		External Control Voltage None (Fixed Frequency)
Control Voltage Range:		1.5 V \pm 1.5 V (for +3.3 V) 2.5 V \pm 2.5 V (for +5 V)
Frequency Tuning Range:		\pm 0.5 ppm (min.)
Frequency Tuning Slope:		Positive
Aging @ +25°C:		\pm 2 ppb (max.) per Day \pm 200 ppb (max.) per Year (After 30 days of continuous operation)
Storage Temperature Range:		-55°C to +125°C



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Mechanical Specifications

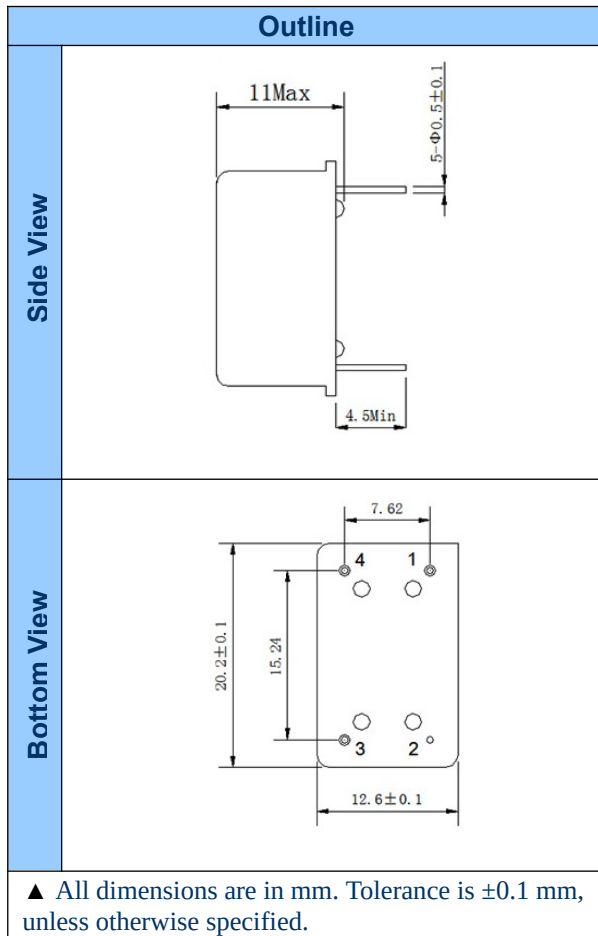


Table 1

OTR Codes	Stability Codes		020	050	W	V1	X
	Temperature Stability		± 20 ppb	± 50 ppb	± 100 ppb	± 200 ppb	± 0.5 ppm
D	Operating Temperature Range	-10°C to +60°C					
C		-20°C to +70°C					
I5		-40°C to +70°C					
I		-40°C to +85°C					
K1		-55°C to +85°C					

■ Denotes Available □ Denotes not Available

Table 2
Typical SSB Phase Noise @ 10 MHz

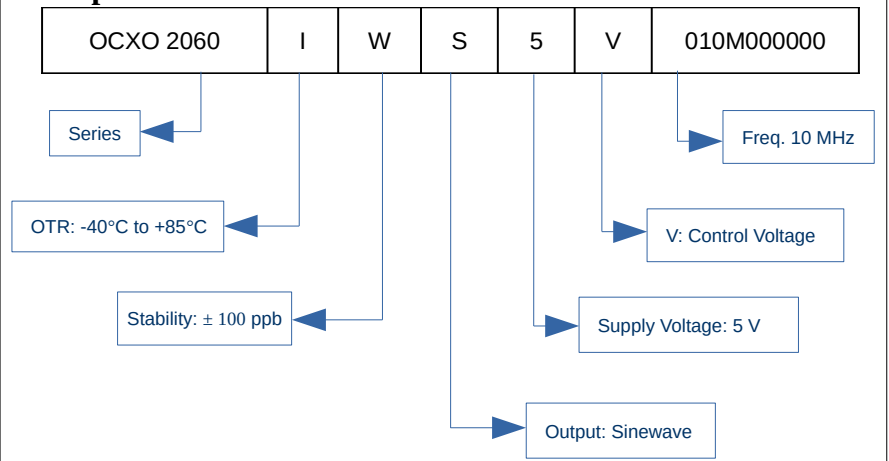
10 Hz offset	-95 dBc/Hz
100 Hz offset	-120 dBc/Hz
1 KHz offset	-150 dBc/Hz
10 KHz offset	-155 dBc/Hz
100 KHz offset	-160 dBc/Hz

Pin Configuration:

Pin	Option N	Option V
1	No Connection	Control Voltage
2	Ground	Ground
3	Output	Output
4	Supply Voltage	Supply Voltage

Ordering Information

Example



Specifications subject to change without prior notice.

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Note: Not all combination of options are available. Other specifications may be available upon request.

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Page 2 of 2

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