Temperature Compensated Crystal Oscillator

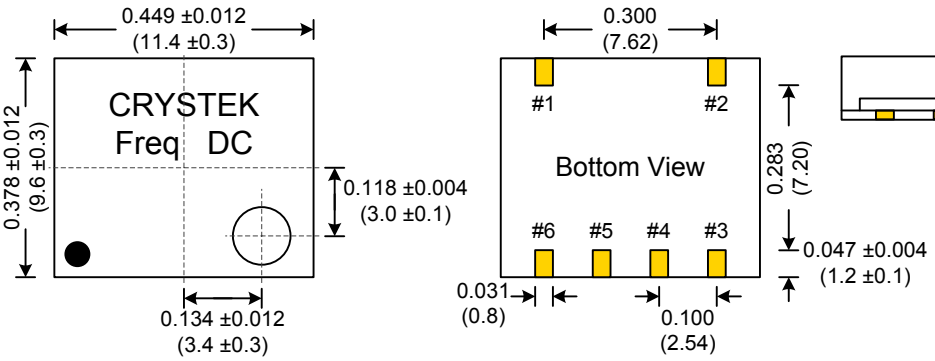
CXOSD6 Model

9.6×11.4 SMD, **3.3V & 5V, Clipped Sine**

Frequency Range:	8 MHz to 30 MHz
Frequency Stability:	±2ppm to ±5ppm
Freq. Stability vs Volt:	±0.5ppm Max
Freq. Stability vs Load:	±0.3ppm Max
Temperature Range:	-40°C to 85°C
Storage:	-45°C to 90°C
Input Voltage:	3.3V or 5V ±5%
Trimmer Adj. Range:	±3ppm Min.
Input Current:	1.5mA Typ, 3mA Max
Output:	Clipped Sinewave
Output Voltage:	5V = 1.0Vpp Min 3.3V = 0.7Vpp Min
Load:	20 kΩ / 5pF Max
Phase Noise Typ.: 10Hz	-90dBc/Hz
100Hz	-120dBc/Hz
1kHz	-135dBc/Hz
10kHz	-145dBc/Hz
100kHz	-150dBc/Hz
Aging:	<1ppm Max/Yr

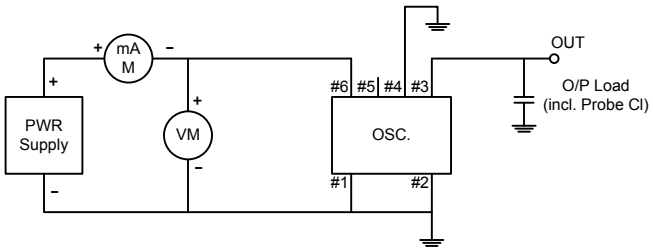
RoHS Compliant

Designed to meet today's requirements for tighter frequency stability while reducing pad layout requirement.



PIN	Connection
1	GND
2	GND
3	Output
4	GND
5	No Connect
6	Vdd

Dimensions inches (mm)
All dimensions are maximum unless otherwise specified



	Operating Temperature	Freq. Stability (± ppm)					
A	0°C to 50°C	1.5	2.0	2.5	3.0	4.0	5.0
B	-10°C to 60°C	1.5	2.0	2.5	3.0	4.0	5.0
C	-10°C to 70°C		2.0	2.5	3.0	4.0	5.0
D	-20°C to 70°C			2.5	3.0	4.0	5.0
E	-30°C to 60°C			2.5	3.0	4.0	5.0
F	-30°C to 70°C			2.5	3.0	4.0	5.0
G	-30°C to 75°C			2.5	3.0	4.0	5.0
H	-40°C to 85°C					4.0	5.0
		A	B	C	D	E	F

Table 1

Crystek Part Number Guide

CXOSD6 - B C 3 - 25.000
#1 #2 #3 #4 #5

#1	Crystek TCXO 6 Pad SMD Clipped Sine
#2	Letter = Operating Temperature (see table 1)
#3	Letter = Frequency Stability (see table 1)
#4	3 or blank = Input Volt (3 = 3.3 volts) (Blank= 5V)
#5	Frequency in MHz: 3 or 6 decimal places

Example:
CXOSD6-BC3-25.000 = -10/60, ±2.5ppm, 3.3V, 25.000MHz

Specifications subject to change without notice.

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