Temperature Compensated Crystal Oscillator

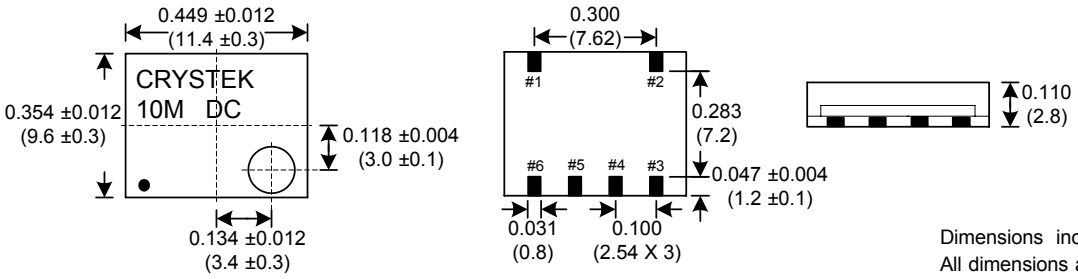
CXOSD6 Model
6 Pad SMD, **3.3V & 5V, Clipped Sine**

Frequency Range:	8MHz to 30MHz
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:	-55°C to 120°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:	20K Ohm / 5pF Max
Phase Noise Typ.:	
10Hz	-100dBc/Hz
100Hz	-130dBc/Hz
1KHz	-140dBc/Hz
10KHz	-145dBc/Hz
100KHz	-150dBc/Hz
Aging:	<1ppm Max/Yr

Lead Free RoHS Compliant

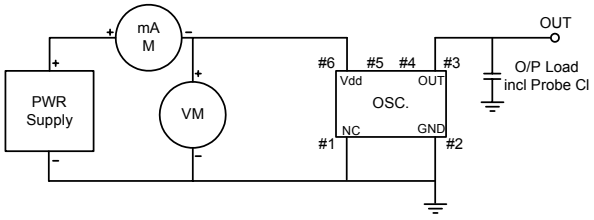
Designed to meet today's requirements for tighter frequency stability tolerance while reducing pad layout requirement.

CXOSD6



PIN	Connection
1	GND
2	GND
3	OUTPUT
4	GND
5	NC
6	Vdd

Dimensions inches (mm)
All dimensions are Max 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. TD-021023 Rev. C

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