Voltage Controlled Crystal Oscillator

CVXO-016T Model
5×7 mm SMD, 5V, HCMOS/TTL

Frequency Range: 1 MHz to 52 MHz
Frequency Stability: ±25ppm to ±100ppm
Temperature Range:
- Operating: 0°C to 70°C
- (Option X) -40°C to 85°C
Storage: -45°C to 90°C
Input Voltage: 5V ±0.5V
Control Voltage: 2.5V ±2.0V
Settability* At Nominal: 2.5V ±0.5V
Frequency Pulling: ±100ppm Min
Input Current: 10mA Max
Output: HCMOS/TTL
Load: 15pF / 10 TTL
Symmetry: 40/60% Max @ 50% Vdd
Rise/Fall Time: 5ns Max @ 10% to 90% Vdd
Logic: "0" = 10% Vdd Max
Logic: "1" = 90% Vdd Min
Linearity: ±10% Max

Aging: <3ppm 1st year, <1ppm every year thereafter

Dimensions inches (mm)
All dimensions are Max unless otherwise specified.

P/N Frequency
YYWW XX

Denotes pad 1
YYWW=Date Code XX=Lot Code

SUGGESTED PAD LAYOUT

RECOMMENDED REFLOW SOLDERING PROFILE

NOTE: Reflow Profile with 240°C peak also acceptable.

Specifications subject to change without notice.

Crystek Part Number Guide

Table 1

*Settability is the Control Voltage at which the Output Frequency is equal to the nominal Frequency.