



Model XO5161-021

Oven Controlled Crystal Oscillator

Electrical Specifications

Nominal Frequency (Fo): 12.688375 MHz

Frequency Accuracy & Stability over Temperature and Aging:

± 12.0ppm, maximum for 5 years

Frequency Accuracy & Stability over Temperature
 ± 2.45 ppm

Frequency Stability over Time

± 1 x 10⁻⁹ within 100 msec after 15 minute warm-up
 < ± 1 x 10⁻⁹ / minute for 5°C / hour

Aging Adjustment Method: None.

Warm Up Time @ -40°C

Within 0.1 ppm of Final Frequency, 15 minutes

Output (Sinewave)

Level, +1.75V_{P-P}, ±0.75V

Load, 1kΩ // 10pF (nom), ±10%

Power

Supply Voltage, +12.0V_{DC} ± 2.0V_{DC}

Power Consumption

@ 25°C Steady State, 0.25W maximum

Current @ Warm Up @ -40°C, 400 mA maximum

Temperature Range

Operating, -40°C to +60°C

Storage, -55°C to +85°C

Shock

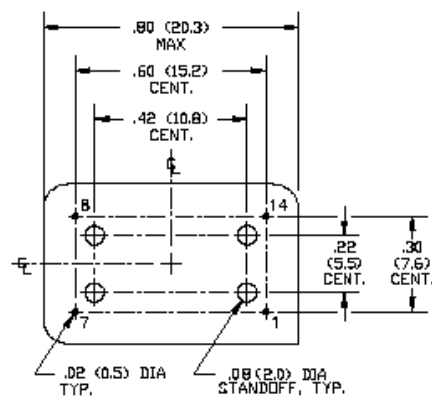
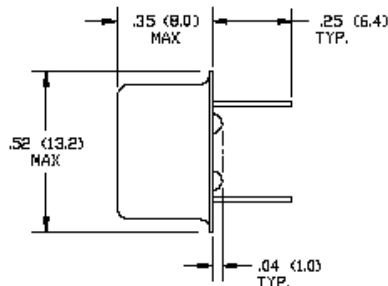
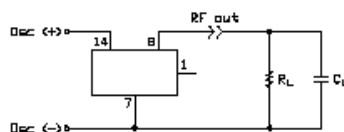
100g over 23 msec

Dimensions are in inches (mm)

Pin connections

1. No Connection
7. Case ground & supply return
8. R.F. Output
14. Supply (+)

Pin numbers shown for ref. only.
 Numbers are not marked on unit.



Data Sheet Revision Table:

Date	Rev.	Author.	Details of Revision
02/24/2017	B	DPD	Changed output from +2.0V _{P-P} ±0.5V to +1.75V _{P-P} ±0.75V
4/30/2016	A	GWA	Changed output from +1.5V _{P-P} ±0.5V to +2.0V _{P-P} ±0.5V
7/29/2003	0	BM	Initial Draft.