TK961 – VOLTAGE CONTROLLED CRYSTAL OSCILLATOR

TECHNICAL FEATURE

FEATURES

- Low Operating Power
- Non-ovenized Design
- Wide Frequency Deviation



The unit incorporates a unique design that combines the frequency deviation of voltage controlled crystal oscillator with the stability of a temperature compensated crystal oscillator. Designed for use in a flightline environment, this oscillator combines unique features to meet

Frequency tuning deviation is $> \pm 50$ KHz with the error from the best straight line <1%. This is achieved with careful balancing of component parameters and

Using frequency multiplication the output frequency is 390 MHz and exhibits short-term stability and phase

This device can be customized to meet particular

demanding performance specifications.

noise equal to many fixed oscillators.

systems needs and requirements.

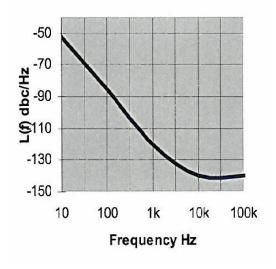
DESCRIPTION

alignment techniques.

PERFORMANCE

Output frequency	390 MHz
Frequency Deviation	+50 KHz
Linear Distortion	<<1%c
Sub-Harmonics	65 dBc
<3 ppm Stability from	-40°C to +85° C
Short Term Stability	6E-10/sec
Dimensions	2" x 1.5" x 4"

TYPICAL PHASE NOISE



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The information in this document is a derivative of a document cleared by the Department of Defense (DoD) Office of Security Review (OSR) for public release. OSR case number 10-S-0983 dated March 11, 2010. DS_TK961_Voltage Controlled Crystal Oscillatorl_MW_031110.doc. This revision supersedes all previous releases. All technical information is believed to be accurate, but no responsibility is assumed for errors. We reserve the right to make changes in products or specifications without notice. Copyright © 2011 Crane Electronics, Inc. All rights reserved.