



SINE OUTPUT • FULL-SIZE DIP

VOLTAGE-CONTROLLED CRYSTAL OSCILLATORS

ACVX1240

FEATURES:

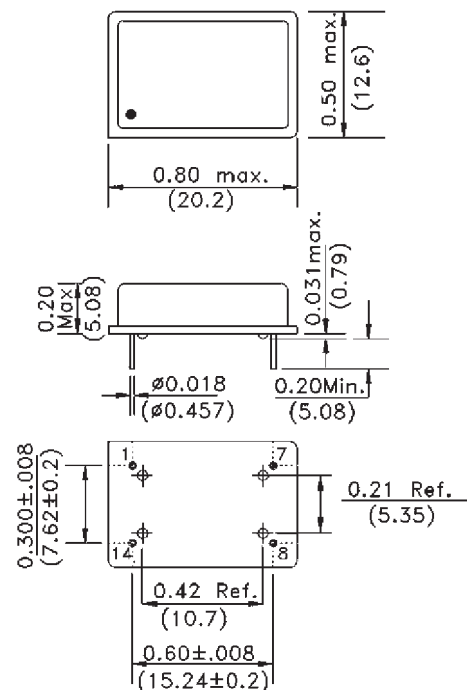
- Sine Wave Output 0 dBm min. into 50Ω.
- Extended Temperature available.
- Reduced EMI.
- Wide Pulling.

APPLICATIONS:

- Phase Locked Loops (PLL) Circuit.
- Synthesizers.
- EMI Reductions meet FCC Requirements.

STANDARD SPECIFICATIONS

PARAMETERS	SPECIFICATIONS
Frequency Range (F_0)	8.0 MHz - 52.0 MHz
Operating Temperature (T_{OPR})	0°C to +70°C (See Options)
Storage Temperature (T_{STO})	-55°C to +125°C
Frequency Stability ($\Delta F / F_0$)	± 50 ppm max (See Options)
Supply Voltage (V_{dd})	5 Vdc ± 5%
Input Current (I_{dd})	35 mA max.
Output Load	50 Ω
Output Voltage	0 dBm min.
Transfer Function	Positive
Voltage Control (V_c)	2.5 Vdc ± 2.0 Vdc
Frequency Deviation	± 100 ppm min. (See Options)
Linearity	± 10% max.
Harmonics	- 30 dBc min.
Input Impedance	50 k Ω min.
Start-up Time (T_{osc})	10 ms max.



Please Inquire factory for higher frequencies, other pulling specs., control voltage range or linearity.
 For test circuit, waveforms, please see page 67.
 Environmental and mechanical specifications on page 68, Group 1.
 Marking, see page 79.

ORDERING OPTIONS

ACVX1240 - Frequency - Temperature - Overall Frequency Stability - Pulling - Value Added

XX.XXXXX MHz

-D for -10°C to +60°C
 -E for -20°C to +70°C
 -F for -30°C to +70°C
 -N for -30°C to +85°C
 -L for -40°C to +85°C

-J for ± 20 ppm max
 -R for ± 25 ppm max
 -K for ± 30 ppm max
 -H for ± 35 ppm max.

-N15 ± 150 ppm min.

-G Gull Wing*
 -QXX (Trimmed Leads) *

* Found on Page 73.

PIN NO.	FUNCTION
1	Voltage Control Vc
7	GND / Case
8	Output
14	Vcc