



SINE OUTPUT • FULL-SIZE DIP
VOLTAGE-CONTROLLED CRYSTAL OSCILLATORS
ACVX1240

FEATURES:

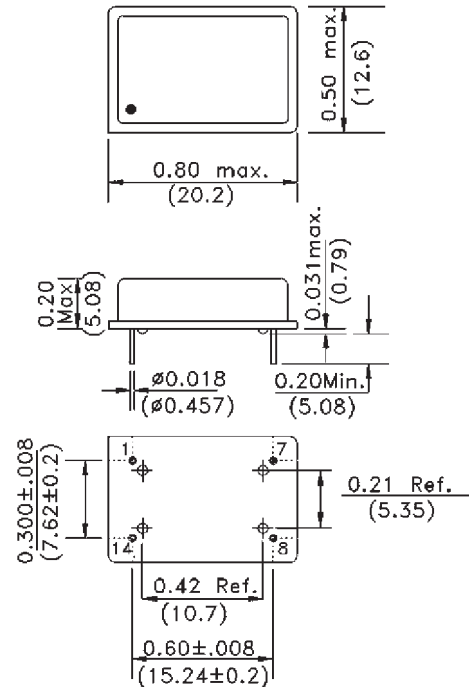
- Sine Wave Output 0 dBm min. into 50Ω.
- Extended Temperature available.
- Reduced EMI.
- Wide Pulling.

APPLICATIONS:

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

STANDARD SPECIFICATIONS

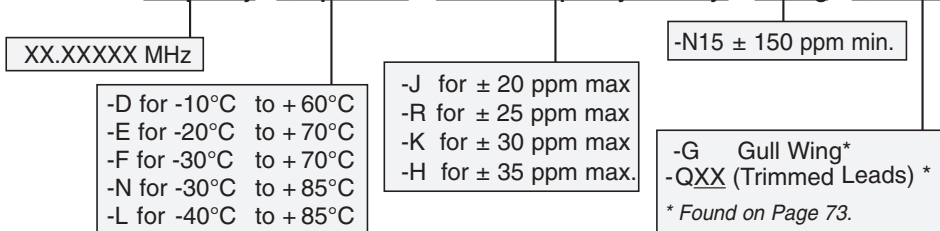
| PARAMETERS | SPECIFICATIONS |
|-------------------------------------------|------------------------------|
| Frequency Range (F ₀) | 8.0 MHz - 52.0 MHz |
| Operating Temperature (T _{OPR}) | 0°C to + 70°C (See Options) |
| Storage Temperature (T _{STO}) | -55°C to + 125°C |
| Frequency Stability (ΔF/ 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



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



NOTE: Left blank if standard • All specifications and markings subject to change without notice

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