

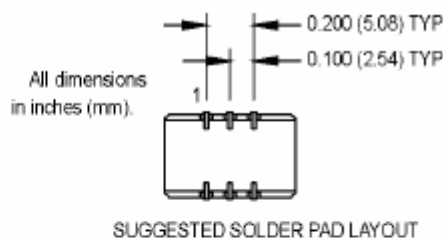
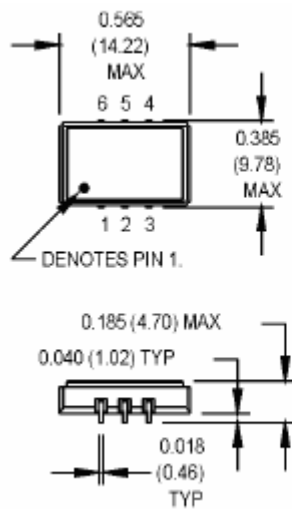
Features

- LVDS, Extended Temperature available
- Ceramic 6 J-Lead Package, Seam sealed, 14x9.8x4.7mm
- 3.3V Operation
- RoHS Compliant

Specification

Parameter	Characteristic
Frequency Range	1.000MHz ~ 800.0000MHz
Frequency Stability	+/- 50 ppm std. (See Table 4) Inclusive of operating temperature
Operating Temperature Range	0 ~ 70°C std. (See Table 6)
Storage Temperature Range	-55 ~ +125°C
Input Voltage	3.3Vdc +/- 5% std. (See Table 3)
Control Voltage	1.65V +/- 1.35V std. (See Table 3)
Pulling Range	+/- 100 ppm min. (See Table 5)
Input Current	100mA max
Output 0 Level (Vol)	Vcc-2.175Vdc max
Output 1 Level (Voh)	Vcc-1.925Vdc min
Symmetry (Duty Cycle)	40/60%@50% of waveform std. (See Table 7)
Rise & Fall Time	0.6nS typical, 1.0nS max
Linearity	+/- 10% std. (+/-15%, +/-20%)
Start up time	10mS max
Output Load	50Ω Differential Load
Tri-state Output (Pin# 2)	High or Open : Oscillation, Low : High Impedance
Aging	+/- 3 ppm max / year
Phase Jitter (12KHz~20MHz)	1pS RMS max (See Table A)
Operating Temperature Range	0 ~ 70°C std. (-40 ~ 85°C Available)
Mechanical Shock	Per MIL-STD-202, Method 213, Cond. E
Thermal Shock	Per MIL-STD-883, Method 1011, Cond. A
Vibration	Per MIL-STD-883, Method 2007, Cond. A
Soldering Conditions	260°C for 10sec. max.: 230°C for 90sec max.
Hermetic Seal	Leak rate less than 5x10-8 atm.cc/s of Helium

Drawing



Pin Connection

1. Vcontrol
2. E/D or N/C
3. Ground
4. Output
5. Comp. Output
6. Vcc

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Ordering Guide

 Typical P/N : C6JVL - 155.52M - 32 - 50 E B S1 T1 -TR

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<p>1. Package C6JVL = 14x9.8x4.7mm, <u>6pads</u> (Ceramic 6J-Lead LVDS SMD VCXO)</p> <p>2. Frequency range : 1 to 800MHz</p> <p>3. Input Voltage & Control Voltage 31 : 3.3V (Vcontrol : 1.65 +/- 1.35V) 32 : 3.3V (Vcontrol : 1.65 +/- 1.50V) 33 : 3.3V (Vcontrol : 1.65 +/- 1.65V)</p> <p>4. Frequency Stability 00 : +/- 100ppm 50 : +/- 50ppm 25 : +/- 25ppm</p> <p>5. Pulling Range C : +/- 50ppm min D : +/- 80ppm min E : +/- 100ppm min F : +/- 130ppm min * : The others</p> <p>6. Operating Temperature Range A : 0~70℃ B : -20~70℃ C : -40~85℃ D : -10~70℃ * : The others</p>	<p>7. Symmetry (Duty Cycle) S1 : 45/55% at 50% of waveform S2 : 40/60% at 50% of waveform</p> <p>8. Pin#2 Connection T1 : Pin#2 E/D Standard T2 : Pin#2 N/C</p> <p>9. Packing TR : Tape and Reel BU : Bulk TU : Tube</p> <p>A. Phase Jitter 1MHz ≤ F ≤ 80MHz : 1pS RMS max 80.001MHz < F ≤ 800MHz : 3pS RMS max (12KHz ~ 20MHz)</p>
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