

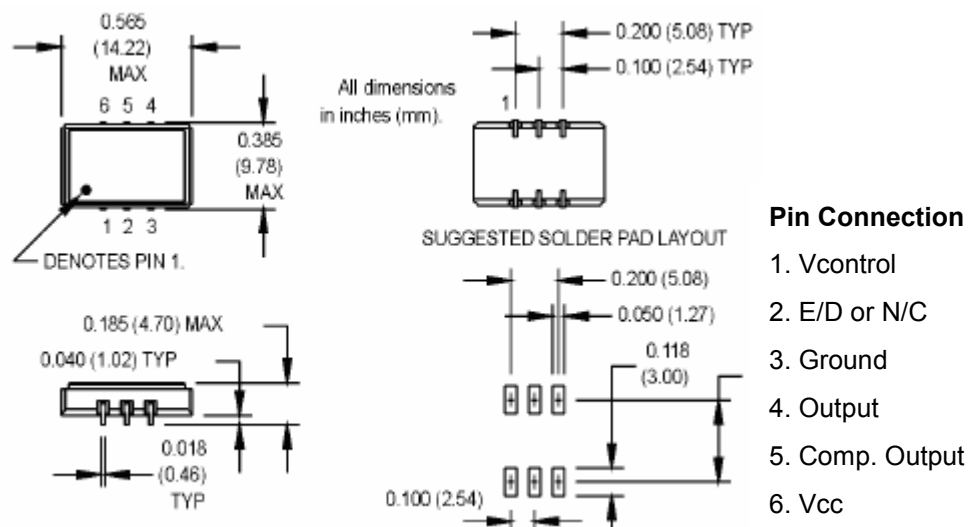
### Features

- LVPECL, 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	120mA max
Output 0 Level (Vol)	Vcc-1.63Vdc max
Output 1 Level (Voh)	Vcc-1.02Vdc min
Symmetry (Duty Cycle)	40/60%@Vcc-1.3Vdc 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 to Vcc-2.0Vdc
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



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### Ordering Guide

Typical P/N : C6JVP - 155.52M - 32 - 50 E B S1 T1 - TR

1                    2                    3    4    5    6    7    8    9

**1. Package** C6JVP = 14x9.8x4.7mm, 6pads

(Ceramic 6J-Lead LVPECL SMD VCXO)

**2. Frequency range** : 1 to 800MHz

**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)

**4. Frequency Stability**

00 : +/- 100ppm

50 : +/- 50ppm

25 : +/- 25ppm

**5. Pulling Range**

C : +/- 50ppm min

D : +/- 80ppm min

E : +/- 100ppm min

F : +/- 130ppm min

\* : The others

**6. Operating Temperature Range**

A : 0~70°C

B : -20~70°C

C : -40~85°C

D : -10~70°C

\* : The others

**7. Symmetry (Duty Cycle)**

S1 : 45/55% at Vcc - 1.3Vdc

S2 : 40/60% at Vcc - 1.3Vdc

**8. Pin#2 Connection**

T1 : Pin#2 E/D Standard

T2 : Pin#2 N/C

**9. Packing**

TR : Tape and Reel

BU : Bulk

TU : Tube

**A. Phase Jitter**

1MHz ≤ F ≤ 80MHz : 1pS RMS max

80.001MHz < F ≤ 800MHz : 3pS RMS max

(12KHz ~ 20MHz)