Plastic 4J-Lead SMD VCXO
■ Model No. P4JVH

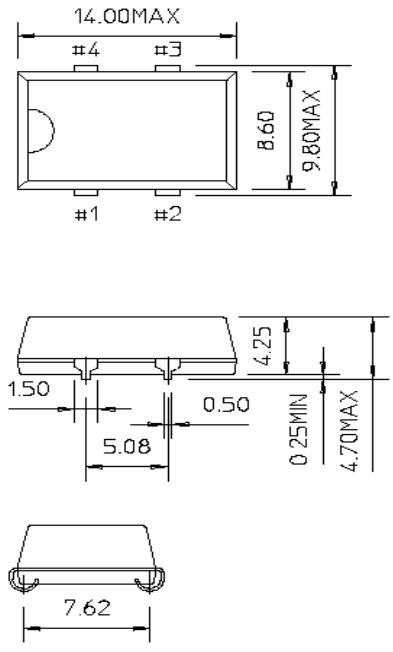
Features

- HCMOS/TTL
- Plastic Molded Package, 14x9.8x4.7mm
- 3.3V / 5.0V Operation
- RoHS Compliant

Specification

Parameter	Characteristic
Frequency Range	1.000MHz ~ 200.0000MHz
Frequency Stability	+/- 100ppm std. (See Table 4)
	Inclusive of Operating Temperature
Operating Temperature Range	0 ~ +70℃ std. (See Table 6)
Storage Temperature Range	-55 ~ +125℃
Input Voltage	3.3Vdc +/- 10% std. (See Table 3)
Control Voltage	1.65V +/- 1.35V std. (See Table 3)
Pulling Range	+/- 100ppm min std. (See Table 5)
Input Current	55mA max (See Table A)
Output 0 Level (Vol)	10%Vdc max
Output 1 Level (Voh)	90%Vdc min
Symmetry (Duty Cycle)	40/60%@1/2Vdc std. (See Table 7)
Rise & Fall Time	10nS max (See Table B)
Linearity	+/- 10% std. (+/- 15%, +/- 20%)
Start Up Time	10mS max
Output waveform vs. Load	HCMOS-TTL / 15pF or 10TTL
Aging(at 25℃)	+/- 5ppm / year max

Drawing



Pin Connection

1. Vcontrol
2. Ground
3. Output
4. Vcc

SAMJOON IND. Co., Ltd.
501 DAEMAEK PLAZA, SANG-DONG WONMI-KU, BUCHEON, KYUNGKI-DO KOREA ZIP : 420-031
♦ Tel:+82-32-326-8163 & 326-8164 ♦ Fax:+82-32-326-8162 ♦ Web site: www.samjoon.com

Ordering Guide

Typical P/N : P4JVH - 27M - 32 - 50 E B S1 -TR
1 2 3 4 5 6 7 8

1. Package P4JVH = 14x9.8x4.7mm 4pads
(Plastic 4J-Lead SMD Oscillator, HCMOS/TTL)

2. Frequency range : 1 to 80MHz (Fundamental)
80.001 to 200MHz (Multi)

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)
51 : 5.0V (Vcontrol : 2.50 +/- 2.00V)
52 : 5.0V (Vcontrol : 2.50 +/- 2.50V)

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℃
B : -20~70℃
C : -40~85℃
D : -10~70℃
* : The other

7. Symmetry (Duty Cycle)

S1 : 45/55% at 1/2Vdc
S2 : 40/60% at 1/2Vdc

8. Packing

TR : Tape and Reel
BU : Bulk
TU : Tube

A. Input Current

(unit : mA)	5.0V	3.3V
1MHz to 20MHz	20	15
20.001MHz to 40MHz	30	25
40.001MHz to 80MHz	40	35
80.001MHz to 200MHz	55	55

B. Rise / Fall Time

1MHz ≤ F ≤ 20MHz : 10nS max
20MHz < F ≤ 40MHz : 8nS max
40MHz < F ≤ 80MHz : 5nS max
80MHz < F ≤ 200MHz : 10nS max (Multi)