

7.5 x 5.0mm LVDS SMD VCXO Pb-Free & RoHS compliant

V7B PRELIMINARY

STABILITY/PULLABILITY

MODEL	STABILITY	PULLABILITY
V7B18D1R	±100ppm/-40~+85°C	± 130ppm Min.
V7B28D1R	±50ppm/-40~+85°C	± 130ppm Min.
V7B48D1R	±25ppm/-40~+85°C	± 130ppm Min.

OPERATING CONDITIONS

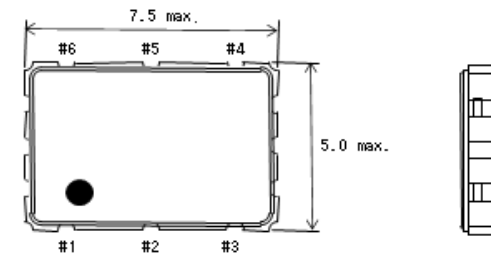
Operating Temperature	-40~+85°C
Storage Temperature	-55~+125°C
Supply Voltage (Vcc)	+3.3V±5%
Control Voltage (Vcont)	+1.65V±1.5V

ELECTRICAL CHARACTERISTICS (Ta=+25°C, Vcc=+3.3V, Vcont=+1.65V, Vtt=+2.0V, Rt=50Ω)

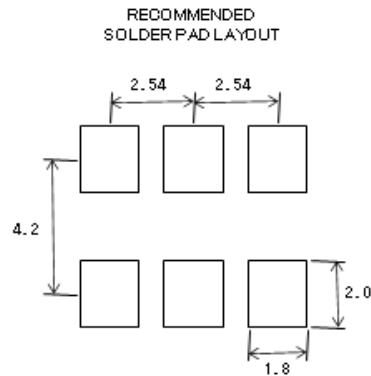
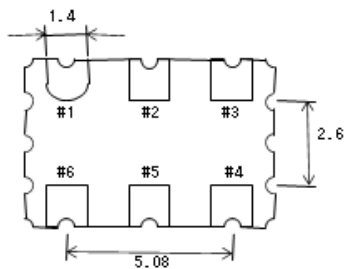
PARAMETERS	CONDITIONS	V7B□D1R
Frequency Range (MHz)		10.000~1000.000
Frequency Stability	All conditions	±25ppm~±100ppm
Controllable Frequency	Vcont = +1.65±1.5V	±130ppm Min.
Output Voltage (Voh)		0.33V (at 1.25V)
Rise Time (Tr)		1.0nS Max.
Fall Time (Tf)		1.0nS Max.
Output Load		100Ω (Out1-Out2)
Symmetry	At 50% Vp-p	45/55%
Input Current (Icc)		60mA Max.
Phase Jitter	Offset Frequency (12kHz~20MHz)	3ps MAX. (> 40MHz)

Note 1: Inclusive of 25°C tolerance, operating temperature range, input voltage change and load change, with Vcont +1.65V.

DIMENSIONS (mm)



ENABLE/DISABLE FUNCTION		
Control (Pin #2)	Pin #4	Pin#5
Open	Active	Active
"1" (V _{IH} ≥ 0.7V)	Active	Active
"0" (V _{IL} ≤ 0.3V)	High Z	High Z



Pin Connection	
#1	V _{CONT}
#2	E/D
#3	GND
#4	OUT 1
#5	OUT 2
#6	V _{CC}