

VCXO - 275B

[MODEL]

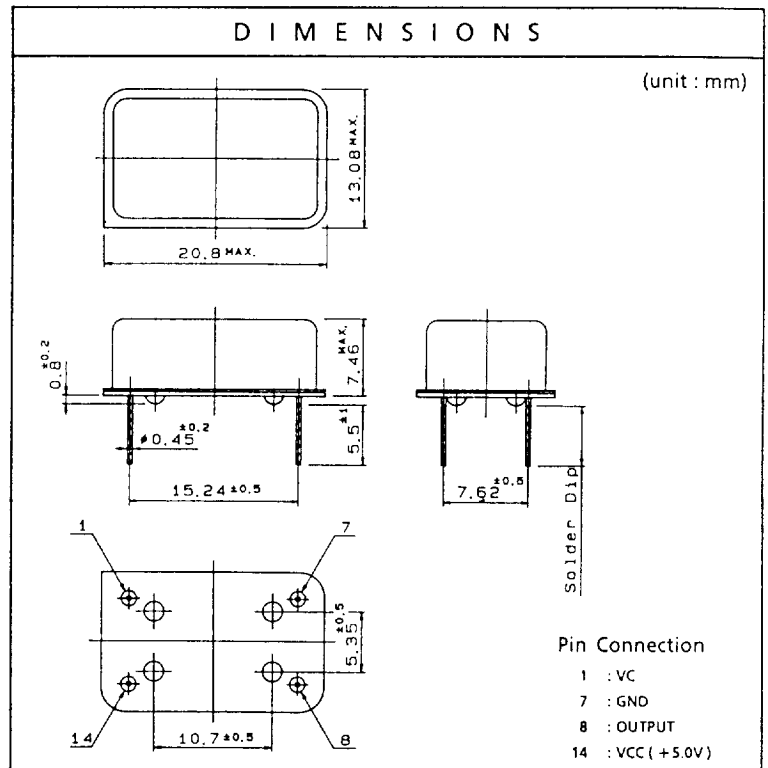
VCXO - 275B : HC-MOS level crystal oscillator

[FEATURES]

- "Small Size" as small as 2.0cc.
(20.8×13.08×7.46 mm)
- All-metal welded package.
- Using welded crystal.
- Hybrid-IC circuit construction.
- HC-MOS compatible output.

[TYPICAL APPLICATIONS]

- Digital switching system



[SPECIFICATIONS]

MODEL	VCXO-275B
Frequency range	38.88 MHz to 51.84MHz
Frequency stability	$\pm 40 \times 10^{-6}$ max. / -10°C to $+70^{\circ}\text{C}$
Operable temperature range	-10°C to $+70^{\circ}\text{C}$
Storage temperature	-40°C to $+85^{\circ}\text{C}$
Frequency aging	$\pm 5 \times 10^{-6}$ max. / year
Frequency deviation	$\pm 100 \times 10^{-6}$ min. / $+2.5\text{ V} \pm 2.0\text{ V}$ (VC)
Frequency tuning voltage	$+2.5\text{ V} \pm 0.5\text{ V}$ (at $+25^{\circ}\text{C}$)
Power supply voltage	$+5.0\text{ V} \pm 5\%$
Power supply current	40mA max.
Output load	15 pF
Output level	$V_{OH}:V_{CC} \times 0.9\text{ V min.} / V_{OL}:V_{CC} \times 0.1\text{ V max.}$
Output symmetry	40% to 60% (at $+2.5\text{ VDC}$)
Rise time / Fall time	10 ns max. / 10 ns max.
Vibration	10Hz to 55Hz Amplitude 1mm cycle 1 minute. 3 directions. 2 hours each
Shock	1000 G
Humidity	60°C 95% / RH 1000 hours
Weight	5 gr

- ※ If specifications does not meet your requirements.
We will design a unit to your requirements.
- ※ All specifications and details published are subject to change without notice.