

### VCXO - 102W

**[MODEL]**

VCXO - 102W : TTL 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.
- LS-TTL compatible output.

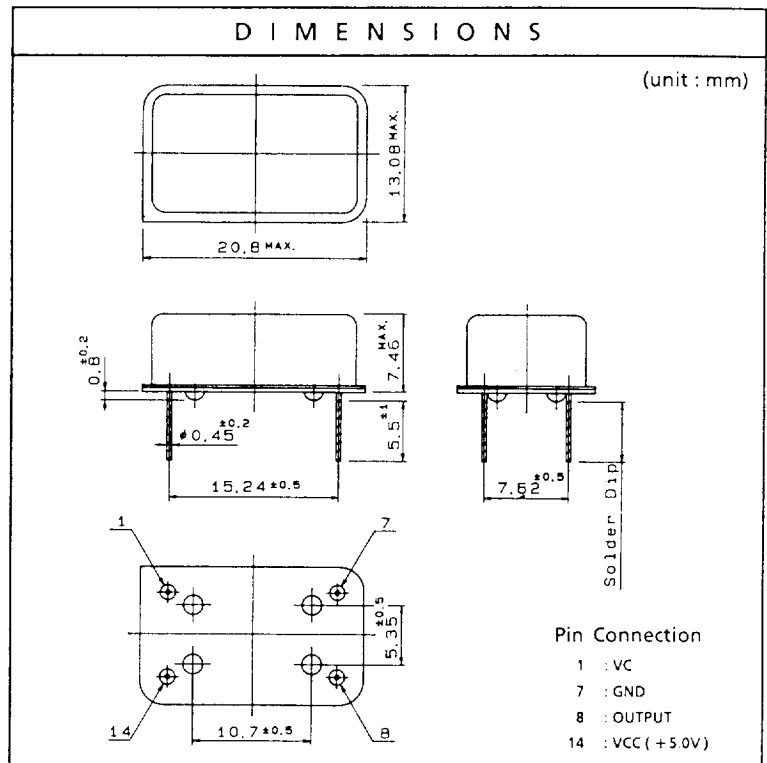
**[TYPICAL APPLICATIONS]**

- Phase locked loop
- Digital switching system

**[STANDARD FREQUENCIES]**

- 12.352MHz
- 16.384MHz

**[SPECIFICATIONS]**



MODEL	VCXO-102W
Frequency range	8 MHz to 25 MHz
Frequency stability	$\pm 50 \times 10^{-6}$ max. / $-20^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
Operable temperature range	$-20^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
Storage temperature	$-40^{\circ}\text{C}$ 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	$+5.0\text{ V} \pm 0.25\text{ V}$
Power supply current	20mA max.
Output load	LS TTL 10
Output level	VOH: $+2.4\text{ V}$ min. / VOL: $+0.4\text{ V}$ max.
Output symmetry	40% to 60% (at 1.4 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	$60^{\circ}\text{C}$ 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.