

# VCXO-105N

## VCXO

### ■Features

- “Small Size” as small as 2.0cc. (20.8×13.08×7.46mm)
- All-metal welded package.
- Using welded crystal.
- Hybrid-IC circuit construction.
- LS-TTL compatible output.

### ■Typical Applications

- Phase locked loop.

### ■Standard Frequencies

- 32.768MHz, 12.352MHz, 16.384MHz.

### ■Specifications

Item	Type	VCXO-105N
Frequency Range		1.544~32.768MHz
Frequency Temperature Characteristics (Reference at +25°C, VC=+2.5V)		$\pm 30 \times 10^{-6}$ MAX./-20~+70°C
Operating Temperature Range		-20~+70°C
Storage Temperature		-40~+85°C
Frequency Aging		$\pm 5 \times 10^{-6}$ MAX./year
Supply Voltage Change		$\pm 3 \times 10^{-6}$ MAX./+5.0V $\pm$ 0.25V
Frequency Tuning Voltage		+2.5V $\pm$ 0.5V (at +25°C)
Frequency Deviation		$\pm 100 \times 10^{-6}$ MIN./+2.5V $\pm$ 2.0V (VC)
Power Supply Voltage		+5.0V $\pm$ 0.25V
Power Supply Current		27mA MAX.
Output Load		15pF
Output Level		V <sub>OH</sub> : +4.5V MIN./V <sub>OL</sub> : +0.5V MAX.
Output Symmetry		40~60% (at +2.5V DC)
Rise Time/Fall Time		10ns MAX./10ns MAX.
Vibration		10Hz~55Hz Amplitude 1mm Cycle 1 minute. 3 direction. 2 hour each
Shock		1000G
Humidity		60°C 95%/RH 1000 hours
Weight		5gr

### ■Outline

