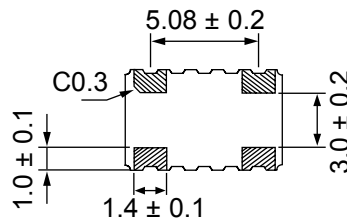
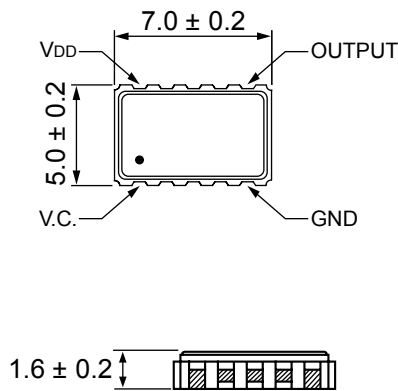


The HEC, INC. highly stable, miniature TCXO/VCTCXO is encased in the 0.06cm<sup>3</sup> trimmer-less TCXO devices with an output of 0.8Vp-p minimum clipped sinewave. This TCXO is only 7 x 5 x 1.6 (H) mm, and is manufactured with a ceramic base and metal lid to assure very good aging characteristics and reliability. HEC offers this device in +/- 2.5 PPM over -30 to +75 Celsius and the ability to withstand IR or vapor phase reflow soldering processes to make this TCXO ideal for your compact and high stability requirements.

## ELECTRICAL SPECIFICATIONS

PARAMETERS	CONDITIONS	SPECIFICATIONS	
HEC PART NUMBER		HE-TXO-75	HE-VTXO-75
FREQUENCY RANGE		10.000 - 40.000 MHz	
FREQUENCY TOLERANCE		±1.5 PPM Max.	
FREQUENCY STABILITY	-30°C to +75°C	±2.5 PPM Max.	
OPERATING TEMPERATURE RANGE		-30°C to +75°C	
STORAGE TEMPERATURE RANGE		-55°C to +125°C	
SUPPLY VOLTAGE		+3.0V	
CALIBRATION AT VOLTAGE VARIATION	+3.0V ± 5%	±0.3 PPM Max.	
INPUT CURRENT		1.5 mA Max.	
LOAD		10KΩ // 10pF	
OUTPUT		0.8V p-p Min.	
AGING	@ 25°C / Year	±1.0 PPM	
VOLTAGE CONTROL RANGE	@ 25°C	N/A	±12 PPM ± 25% +1.5V ± 1V

## MECHANICAL DRAWING



Recommended Solder Pad Layout

