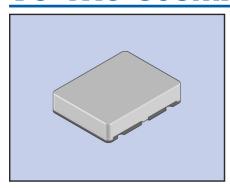
VC-TXO-39SMX SERIES VC-TCXO





The VC-TXO-39SMX is a VC (Voltage Controlled) **FEATURES** TCXO (Temperature Compensated Crystal Oscillator) featuring very tight stability over a wide temperature range. The small SMD ceramic package measures 11.4 x 9.6 x 2.3 mm. The voltage control has a tuning range of \pm 12 ppm typical. The low profile package is ideal for wireless communications applications.

- Highly stable output
- RoHS Compliant (PB Free)
- Voltage control function
- Tape and Reel (500 pcs)

PART NUMBERING GUIDE

SERIES	FREQUENCY STABILITY / TEMPERATURE OPTI		
VC-TXO-39SMX	- 128	– A	

Sample Part Number: VC-TXO-39SMX-128-A, 128=12.8 MHz, A=±1.5 ppm -20 to +75 °C

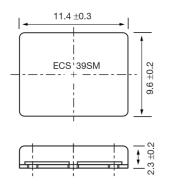
STANDARD FREQUENCIES

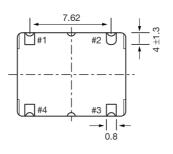
10.000, 13.000, 16.800 AND 19.440 MHz

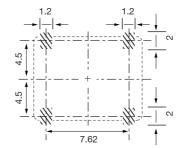
OPERATING CONDITIONS/ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	VC-TXO-39SMX (3V)			UNITC
		MIN	TYP	MAX	UNITS
FREQUENCY RANGE		10.000		19.440	MHz
FREQUENCY STABILITY/TEMP	Operating Temperature				
STANDARD	-30 ~ +75°C			±2.5	PPM
OPTION A	-20 ~ +75°C			+1.5	PPM
SUPPLY VOLTAGE CHANGE	+3V ±5%			+0.3	PPM
LOAD CHANGE	10k Ω ±10%//10pF ±10%			+0.3	PPM
AGING	First Year @ +25°C			±1	PPM
STORAGE TEMPERATURE		-40		+85	°C
SUPPLY VOLTAGE	+3.0 V DC Nominal	+2.85	+3.0	+3.15	V DC
CURRENT CONSUMPTION	10k Ω ±10%//10pF ±10%			1.5	mA
OUTPUT VOLTAGE	Clipped sine wave (DC-Cut)	0.8			Vp-p
OUTPUT LOAD	10k Ω ±10%//10pF ±10%				
FREQUENCY CONTROL RANGE	+1.5 V DC ± 1V Positive Slope	±9	±12		PPM
CONTROL VOLTAGE		+0.5	+1.5	+2.5	V

PACKAGE DIMENSIONS (mm)







PIN CONNECTIONS VCONTROL #1 #2 ${\sf GND}$ OUTPUT #3 #4 Vcc

Figure 1) VC-TXO-39SMX Top, Side and Bottom views

Figure 2) Land Pattern