

# TXO71, VTX71

TEMPERATURE-COMPENSATED (VOLTAGE-CONTROL) CRYSTAL OSCILLATOR

SMD



**TYPICAL APPLICATIONS**

Mobile & Portable Phone, GPS/Navigation System, Radio Transceiver, Microwave Transceiver, Commercial SATCOM, Wireless Networking, Broad Band Datalink

**FEATURES**

Ceramic SMD Package, Compactness with Low Height, Hermetic Sealed, Lead-free Design, High Performance Against Heat, External Voltage Control Option Available, Reflow Soldering, Emboss Taping, RoHS Compliant Standard



**DIMENSIONS TYPICAL SPECIFICATIONS**

7.0x5.0x1.8[mm]

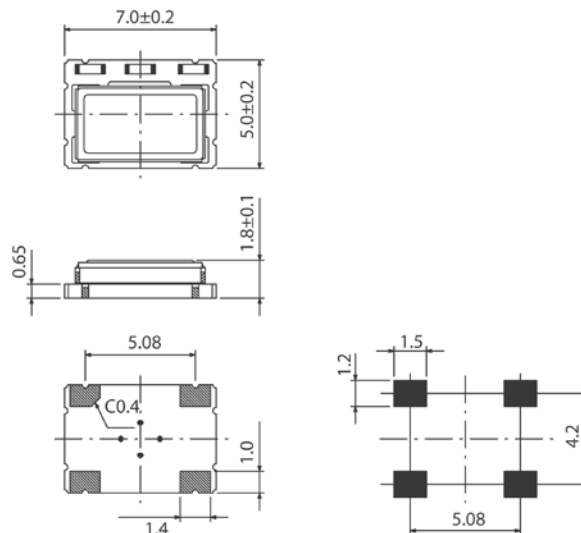
Model		TXO71	VTX71
Nominal Frequency Range		10.000 ~ 26.000MHz	
Standard Frequency		12.8 , 13.0 , 14.4 , 15.36 , 19.20 , 19.68, 26.0MHz	
Frequency Stability (@25°C)	Tolerance	±0.5 ppm Max.	
	Temperature	±1.0 ppm (0°C ~ +50°C) / ±2.5 ppm (-30°C ~ +85°C)	
	Supply Voltage	±0.2 ppm (Vcc±5%)	
	Aging (+25°C)	±1.0 ppm / year Max.	
Temperature Range	Operating	0°C ~ +50°C, -30°C ~ +85°C	
	Storage	-40°C ~ +85°C	
Power Supply Voltage(VDC)		+2.8V ~ 5.0V	
Current Consumption		2mA Max. (Load)	
Output	Load	10kΩ / 10pF	
	Level	0.8Vp-p Min.	
	Waveform	Clipped Sine Wave	
	Phase Noise (@ 1.0kHz) [dBc/Hz]**	-130 dBc / Hz Typ. ( @ 1.0kHz )**	
External Control Function	Freq. Tuning Range	-	±8.0 ppm Min.(Positive)
	Ext. Control Voltage	-	+1.5V±1.0V

Please consult with our sales department for other parameters.

\* Do not clean this TCXO by ultrasonic-wave or liquid.

\*\* Performance vary based on different specification.

**OUTLINE DIMENSIONS Unit:mm**



Terminal	CONNECTION	
	TCXO	VC-TCXO
# 1	NC	Vcont
# 2	GND	
# 3	OUTPUT	
# 4	+Vcc	

All specifications are subject to change without notice.