

TXO81, VTX81



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, Seam Sealed, Lead-free Design, High Performance Against Heat, External Voltage Control Option Available, Reflow Soldering, Emboss Taping, RoHS Compliant Standard

DIMENSIONS

5.0x3.2x1.5[mm]



TYPICAL SPECIFICATIONS

Model		TXO81	VTX81
Nominal Frequency Range		10.000~36.000MHz	
Standard Frequency		13.000 , 14.400 , 19.200 , 19.680, 26.00MHz	
Frequency Stability	Tolerance (@25°C)	±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)		+2.7V~+5.0V(±5%)	
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

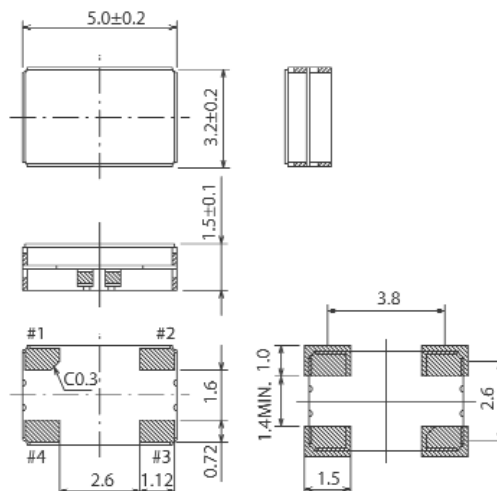
Please consult with our sales department for other parameters.

* 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.