

TXO82, VTX82

TEMPERATURE-COMPENSATED CRYSTAL OSCILLATOR

SMD



TYPICAL APPLICATIONS

Cellular telephones, PHS, GPS equipment and other communication equipment

FEATURES

The 81 series is leadless surface-mounting type (Volume 0.024 cc) with features of compactness and low height. High accuracy and outstanding durability against heat are assured throughout the working temperature range. This TCXO is suitable for mobile communication equipment. Eutectic reflow soldering is possible.

TYPICAL SPECIFICATIONS

Model	TXO82	VTX82
Nominal Frequency	13.000 , 14.400 , 19.200 , 19.680, 26.00MHz	
Frequency Stability	$\pm 1.0 \times 10^{-6}$ (0°C ~ 50°C), $\pm 2.5 \times 10^{-6}$ (-30°C ~ +85°C)	
Temperature		
Aging	$\pm 1.0 \times 10^{-6}$ /year(25°C)	
Supply voltage	$\pm 0.2 \times 10^{-6}$ / +3.0V $\pm 5\%$	
Storage Temperature range	-40°C ~ +85°C	
Power Supply Voltage	+2.7 ~ +5.0V DC	
Current consumption	2mA Max. (Load)	
Output		
Load	10k Ω //10pF	
Voltage	0.8Vp-p Min.	
Waveform	Clipped Sine Wave, DC	
External control function		
Frequency tuning range	$\pm 8.0 \times 10^{-6}$ Min. (Positive)	
External control voltage	+1.5V ± 1.0 V DC	
Phase noise**	-135 dBc/Hz Typ. (at 1.0kHz)**	

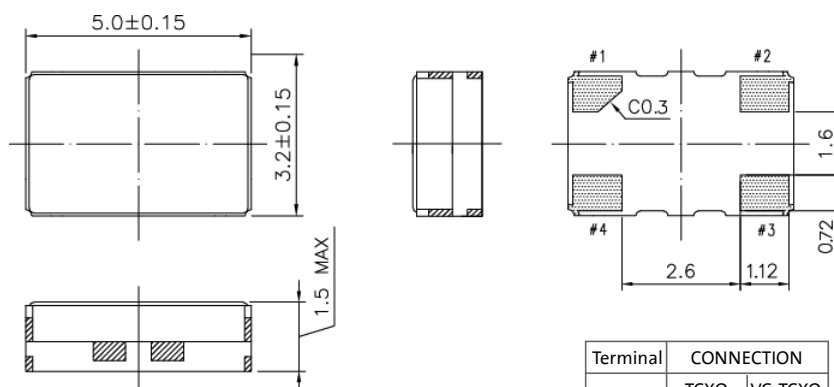
* Please consult with us for other specification.

* 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	GND	Vcont
# 2	GND	
# 3	OUTPUT	
# 4	Vcc	