



**TCXO**  
**MINIATURE SIZE LOW PROFILE**  
**HIGH STABILITY**

**TG - 5035CE**

- Frequency range : 10 MHz to 40 MHz
- Supply voltage : 1.8 V Typ.
- Frequency / temperature characteristics :  $\pm 0.5 \times 10^{-6}$  Max.
- External dimensions: 3.2 x 2.5 x 0.9 mm
- Applications : Cellular phone (GPS)
- Features : High stability  
: Low power consumption



Product Number (Please contact us)  
X1G003831xxxx00



Actual size



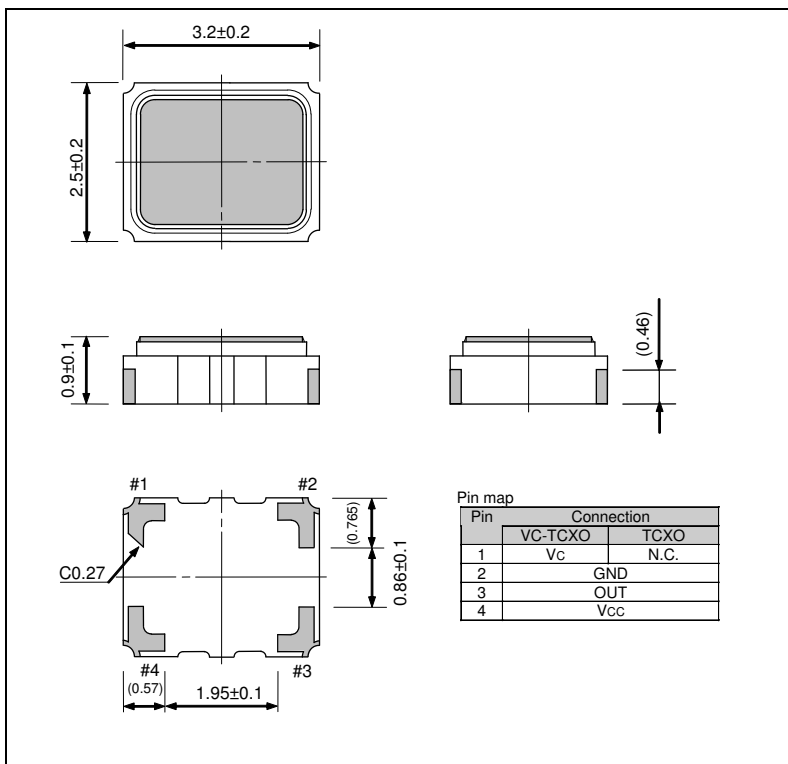
**Specifications (characteristics)**

Item	Symbol	Specifications		Conditions / Remarks
		VC-TCXO	TCXO	
Output frequency range	f <sub>o</sub>	10.000 MHz to 40.000 MHz 16.369 MHz, 24.5535 MHz, 26 MHz, 27.456 MHz		Standard frequency
Supply voltage	V <sub>cc</sub>	1.8 V ± 0.1 V (Supply voltage range : 1.7 V to 3.3 V)		
Storage temperature	T <sub>stg</sub>	-40 °C to +85 °C		Store as bare product.
Operating temperature	T <sub>use</sub>	-30 °C to +85 °C		
Frequency tolerance	f <sub>tol</sub>	±2.0 × 10 <sup>-6</sup> Max.		After reflow, V <sub>c</sub> =0.9 V, +25 °C
Frequency/temperature characteristics	f <sub>o</sub> -T <sub>c</sub>	±0.5 × 10 <sup>-6</sup> Max.		-30 °C to +85 °C
Frequency/load coefficient	f <sub>o</sub> -Load	±0.2 × 10 <sup>-6</sup> Max.		10 kΩ // 10 pF ± 10 %
Frequency/voltage coefficient	f <sub>o</sub> -V <sub>cc</sub>	±0.2 × 10 <sup>-6</sup> Max.		1.8 V ± 0.1 V
Frequency aging	f <sub>age</sub>	±1.0 × 10 <sup>-6</sup> Max.		+25 °C, First year
Current consumption	I <sub>cc</sub>	2.0 mA Max.		V <sub>cc</sub> =1.8 V, 10 kΩ// 10 pF
Input resistance	R <sub>in</sub>	500 kΩ Min.	—	V <sub>c</sub> - GND (DC)
Frequency control range	f <sub>cont</sub>	±5.0 × 10 <sup>-6</sup> to ±12.0 × 10 <sup>-6</sup>		V <sub>c</sub> =0.9 V ± 0.6 V
Frequency change polarity	—	Positive polarity		—
Symmetry	SYM	40 % to 60 %		GND レベル (DC cut)
Output voltage	V <sub>PP</sub>	0.8 V Min.		Peak to peak
Output load condition	Load <sub>R</sub>	10 kΩ		DC cut capacitor = 0.01 μF
	Load <sub>C</sub>	10 pF		

\* Note : Please contact us for inquiries about specifications other than the above.

**External dimensions**

(Unit: mm)



**Footprint (Recommended)**

(Unit: mm)

