



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 × 2.5 × 0.9 mm
- Applications : Cellular phone (GPS)
- Features : High stability
Low power consumption



Product Number (Please contact us)
X1G003831xxxx00



Actual size



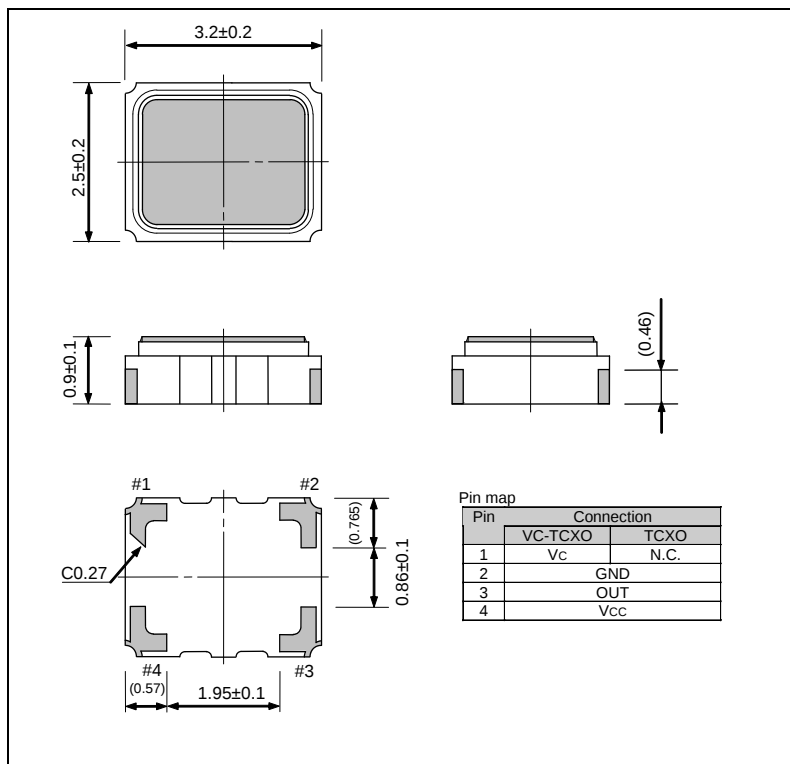
Specifications (characteristics)

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

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

External dimensions

(Unit: mm)



Footprint (Recommended)

(Unit: mm)

