



TCXO
MINIATURE SIZE LOW PROFILE

TG - 5021CE

- Frequency range : 10 MHz to 40 MHz
- Supply voltage : 2.8 V Typ.
- Frequency / temperature characteristics: $\pm 2.0 \times 10^{-6}$ Max.
- External dimensions : 3.2 x 2.5 x 0.9 mm
- Applications : Cellular phone(CDMA , WCDMA , LTE)
- Features : Low phase noise



Product Number (Please contact us)
X1G003821xxxx00



Actual size



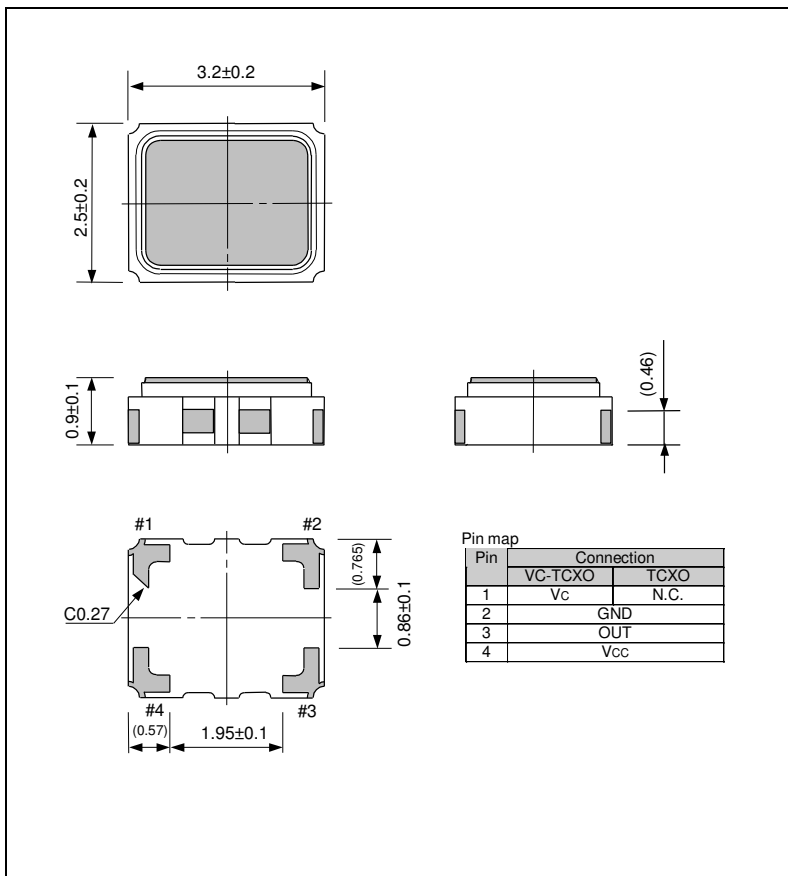
Specifications (characteristics)

Item	Symbol	Specifications		Conditions / Remarks
		VC-TCXO	TCXO	
Output frequency range	f _o	10.000 MHz to 40.000 MHz		Standard frequency
		13 MHz, 19.2 MHz, 26 MHz		
Supply voltage	V _{cc}	2.8 V±0.14 V(Supply voltage range : 2.3 V to 3.6 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, +25 °C
Frequency / temperature characteristics	f _o -Tc	±2.0 × 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.		2.8 V ± 0.14 V
Frequency aging	f _{age}	±1.0 × 10 ⁻⁶ Max.		+25 °C, First year
Current consumption	I _{cc}	2.0 mA Max.		V _{cc} =2.8 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 =1.4 V ±1.0 V
Frequency change polarity	—	Positive polarity		—
Symmetry	SYM	40 % to 60 %		GND level (DC cut)
Output voltage	V _{PP}	0.8 V Min.		Peak to peak
Load resistance	Load _R	10 kΩ		
Load capacitance	Load _C	10 pF		DC cut capacitor = 0.01 μF

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

External dimensions

(Unit:mm)



Footprint (Recommended)

(Unit:mm)

