

TCXO MINIATURE SIZE LOW PROFILE HIGH STABILITY TG - 5005CG

- Frequency range : 13 MHz to 40 MHz
- Supply voltage : 2.8 V Typ.
- Frequency / temperature characteristics : $\pm 0.5 \times 10^{-6}$ Max.
- External dimensions : $2.5 \times 2.0 \times 0.9$ mm Typ.
- Applications : Cellular phone(GPS)
- Features : High frequency stability
: Low current consumption



Product Number (Please contact us)
X1G001571xxxx00



Actual size

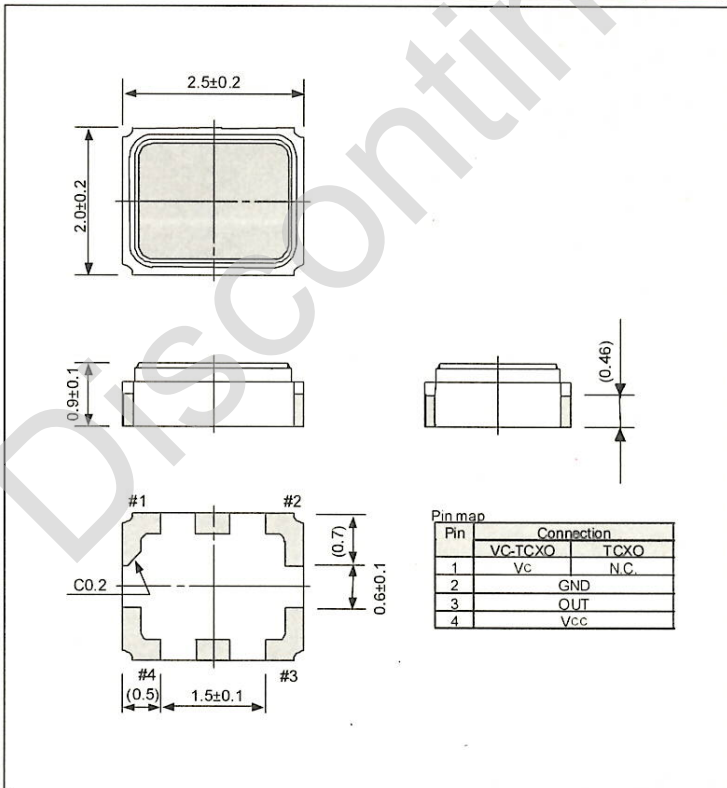
Specifications (characteristics)

Item	Symbol	Specifications		Remarks
		VC-TCXO	TCXO	
Output frequency	f_o	13.000 MHz to 40.000 MHz		Standard frequency 2.3 V to 3.6 V
Supply voltage	V_{cc}	2.8 V \pm 0.14 V		
Temperature range	Storage temperature	T_{stg}	-40 °C to +85 °C	Store as bare product after unpacking
	Operating temperature	T_{use}	-30 °C to +85 °C	
Frequency tolerance	f_{tol}	$\pm 2.0 \times 10^{-6}$ Max.		After reflow, $V_c=1.4$ V, +25 °C
Frequency / temperature characteristics	f_o -Tc	$\pm 0.5 \times 10^{-6}$ Max.		-30 °C to +85 °C
Frequency / load coefficient	f_o -Load	$\pm 0.2 \times 10^{-6}$ Max.		10 k Ω // 10 pF \pm 10 %
Frequency / voltage coefficient	f_o -Vcc	$\pm 0.2 \times 10^{-6}$ Max.		2.8 V \pm 0.14 V
Frequency aging	f_{age}	$\pm 1.0 \times 10^{-6}$ Max.		+25 °C, First year
Current consumption	I_{cc}	2.0 mA Max.		$V_{cc}=2.8$ V, 10 k Ω // 10 pF
Input resistance	R_{in}	500 k Ω Min.	—	V_c - GND (DC)
Frequency control range	f_{cont}	$\pm 5.0 \times 10^{-5}$ to $\pm 12.0 \times 10^{-6}$	—	$V_c=1.4$ V \pm 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 k Ω		DC cut capacitor = 0.01 μ F
Load capacitance	Load_C	10 pF		

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

External dimensions

(Unit: mm)



Footprint (Recommended)

(Unit: mm)

