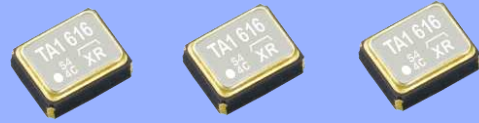


TCXO
MINIATURE SIZE LOW PROFILE
HIGH STABILITY
TG - 5021CG

- Frequency range : 13 MHz to 52 MHz
- Supply voltage : 2.8 V Typ.
- Frequency / temperature characteristics : $\pm 2.0 \times 10^{-6}$ Max.
- External dimensions : $2.5 \times 2.0 \times 0.8$ mm
- Applications : Cellular phone(CDMA,WCDMA,GSM)
- Features : Low noise



Product Number (Please contact us)
X1G003581xxxx00



Actual size



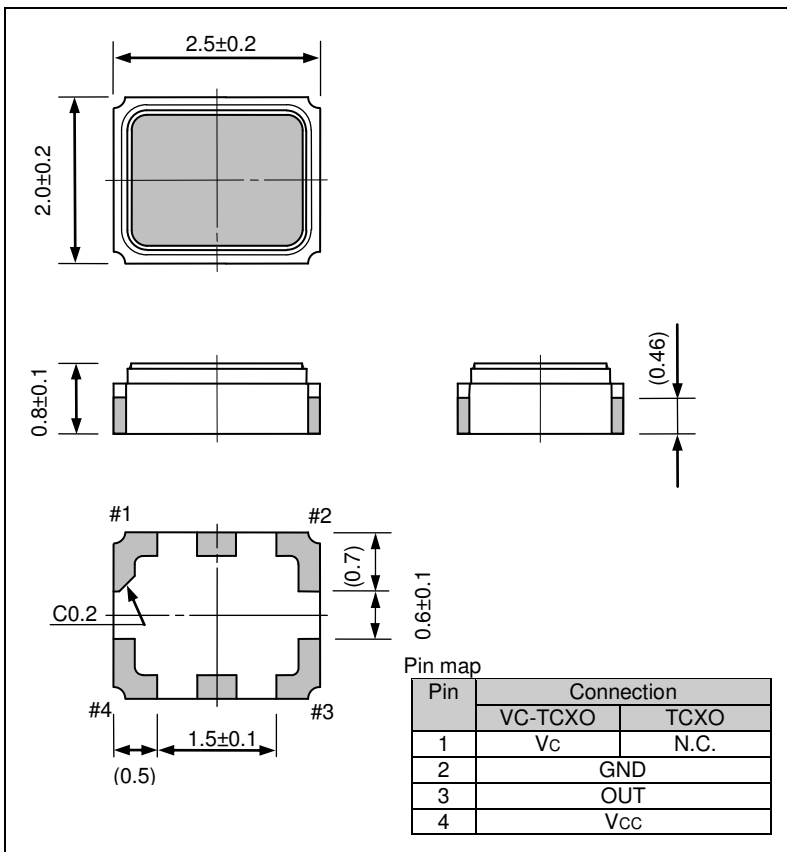
Specifications (characteristics)

Item	Symbol	Specifications		Conditions / Remarks
		VC-TCXO	TCXO	
Output frequency	f_0	13.000 MHz to 52.000 MHz 13 MHz, 19.2 MHz, 26 MHz, 27.456 MHz, 38.4 MHz		Standard frequency
Supply voltage	Vcc	2.8 V \pm 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	$\pm 2.0 \times 10^{-6}$ Max.		After reflow, +25 °C
Frequency / temperature characteristics	fo-Tc	$\pm 2.0 \times 10^{-6}$ Max.		-30 °C to +85 °C
Frequency / load coefficient	fo-Load	$\pm 0.2 \times 10^{-6}$ Max.		10 k Ω // 10 pF \pm 10 %
Frequency / voltage coefficient	fo-Vcc	$\pm 0.2 \times 10^{-6}$ Max.		Vcc=2.8 V \pm 0.14 V
Frequency aging	f_age	$\pm 1.0 \times 10^{-6}$ Max. $\pm 1.5 \times 10^{-6}$ Max.		+25 °C, First year, 13 MHz \leq fo \leq 40 MHz +25 °C, First year, 40 MHz < fo \leq 52 MHz
Current consumption	Icc	2.0 mA Max.		
Input resistance	Rin	500 k Ω Min.	—	Vc- GND (DC)
Frequency control range	f_cont	$\pm 5.0 \times 10^{-6}$ to $\pm 12.0 \times 10^{-6}$		Vc=1.4 V \pm 1.0 V
Frequency change polarity	—	Positive polarity		—
Symmetry	SYM	40 % to 60 %		GND level (DC cut)
Output voltage	Vpp	0.8 V Min.		Peak to peak
Load resistance	Load_R	10 k Ω		
Load capacitance	Load_C	10 pF		DC cut capacitor = 0.01 μ F

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

External dimensions

(Unit:mm)



Footprint (Recommended)

(Unit:mm)

