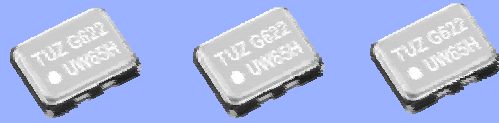


TCXO MINIATURE SIZE LOW PROFILE

TG-5005CE

- Frequency range : 10 MHz to 40 MHz
- Supply voltage : 2.8 V Typ.
- Applications : Cellular phone(GPS)



Actual size



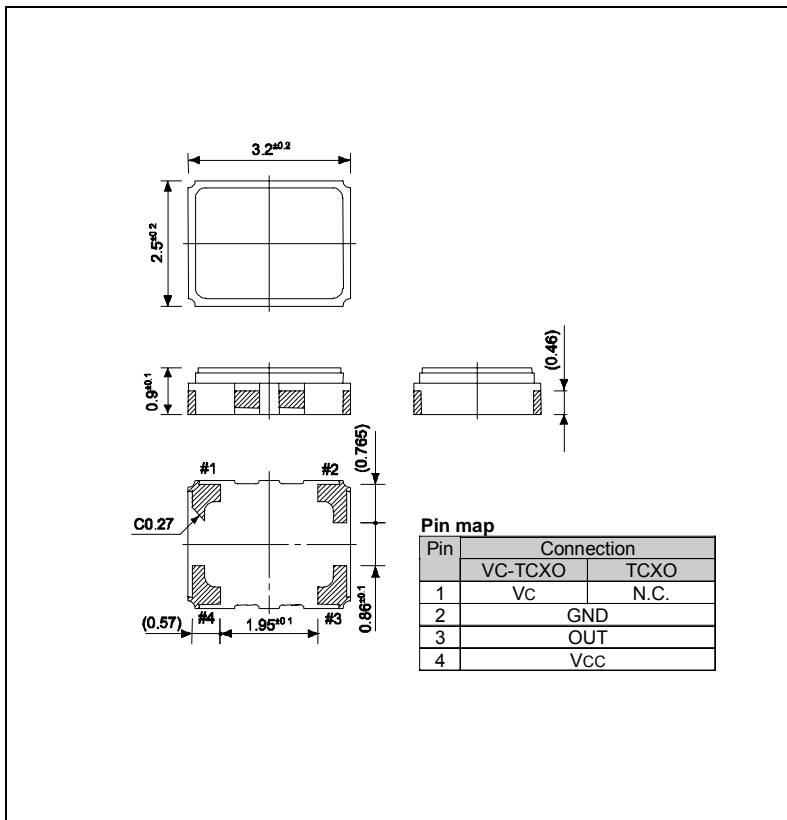
Specifications (characteristics)

Item	Symbol	Specifications		Remarks
		VC-TCXO	TCXO	
Output frequency	f_0	10.000 MHz to 40.000 MHz 16.369 MHz, 24.5535 MHz, 26 MHz, 27.456 MHz		Standard frequency
Supply voltage	Vcc	2.8 V \pm 0.14 V		
Temperature range	Storage temperature	-40 °C to +85 °C		Store as bare product after unpacking
	Operating temperature	-30 °C to +85 °C		
Frequency tolerance	F_tol(osc)	$\pm 2.0 \times 10^{-6}$ Max.		After reflow, Vc=1.4 V, +25 °C
Frequency / temperature coefficient	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 ± 10 %
Frequency / voltage coefficient	F _o -Vcc	$\pm 0.2 \times 10^{-6}$ Max.		2.8 V \pm 0.14 V
Frequency aging	F_aging	$\pm 1.0 \times 10^{-6}$ Max.		+25 °C, First year
Current consumption	I _{cc}	2.0 mA Max.		Vcc=2.8 V, 10 k Ω // 10 pF
Input resistance	R _{in}	500 k Ω Min.	—	Vc- GND (DC), Vc=1.4 V
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 level	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)

