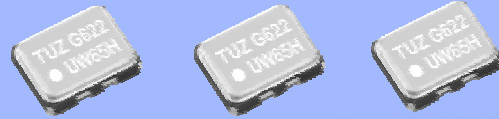


**TCXO
MINIATURE SIZE LOW PROFILE**

TG - 5005CE

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



Actual size



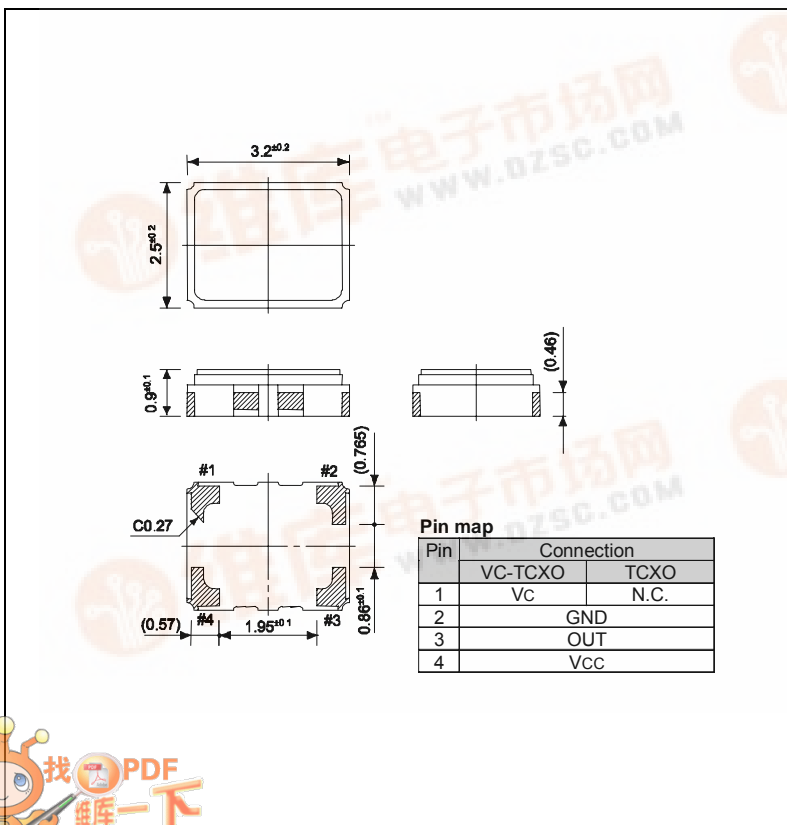
Specifications (characteristics)

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±0.14 V		
Temperature range	T_stg T_use	-40 °C to +85 °C -30 °C to +85 °C		Store as bare product after unpacking
Frequency tolerance	F_tol(osc)	±2.0 × 10 ⁻⁶ Max.		After reflow, Vc=1.4 V, +25 °C
Frequency / temperature coefficient	F _o -Tc	±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 -Vcc	±0.2 × 10 ⁻⁶ Max.		2.8 V ± 0.14 V
Frequency aging	F_aging	±1.0 × 10 ⁻⁶ Max.		+25 °C, First year
Current consumption	Icc	2.0 mA Max.		Vcc=2.8 V, 10 kΩ// 10 pF
Input resistance	Rin	500 kΩ Min.	—	Vc- GND (DC), Vc=1.4 V
Frequency control range	Fcont	±5.0 × 10 ⁻⁶ to ±12.0 × 10 ⁻⁶		Vc=1.4 V ±1.0 V
Frequency change polarity	—	Positive polarity		—
Symmetry	SYM	40 % to 60 %		GND level (DC cut)
Output level	VPP	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)

