



TCXO ULTRA HIGH STABILITY

NEW



Product Number (Please contact us)
X1G003561xxxx00

TG - 5500CA

- Frequency range : 12.8 MHz to 40 MHz
- Supply voltage : 3.3 V
- Frequency / temperature characteristics : $\pm 0.28 \times 10^{-6}$ Max.
- External dimensions: 7.0 × 5.0 × 1.5 mm
- Applications : Network system, Stratum3
- Features : Ultra high stability



Actual size



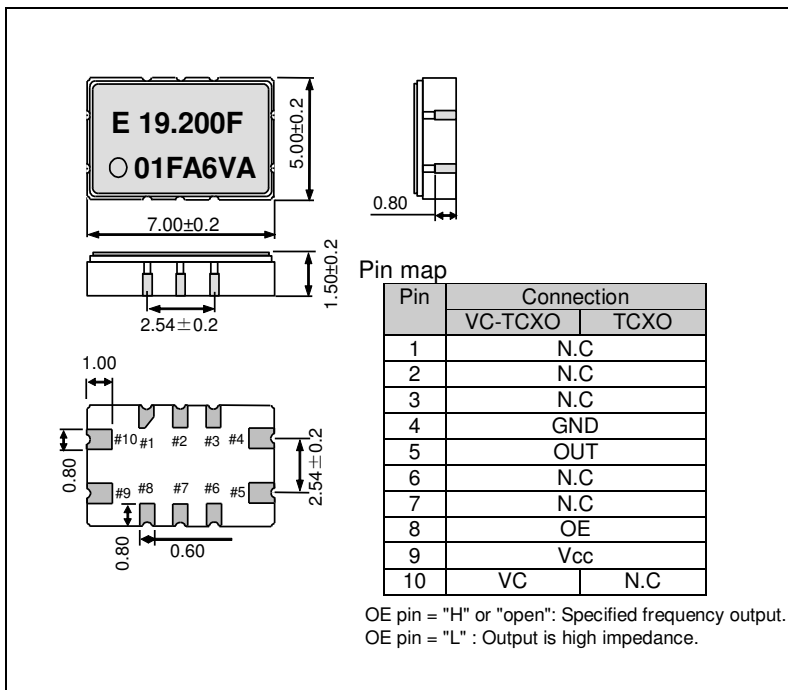
Specifications (characteristics)

Item	Symbol	Specifications		Conditions / Remarks
		VC-TCXO	TCXO	
Output frequency range	f_o	12.8 MHz to 40.0 MHz		Standard frequency
Supply voltage	V_{cc}	12.8, 16.368, 19.2, 20, 25.6, 26, 32.736, 40 MHz		
Storage temperature	T_{stg}	-40 °C to +90 °C		Store as bare product.
Operating temperature	T_{use}	-40 °C to +85 °C		
Frequency tolerance	f_{tol}	$\pm 1.0 \times 10^{-6}$ Max.		After reflow, +25 °C
Frequency/temperature characteristics	f_o -Tc	$\pm 0.28 \times 10^{-6}$ Max.		-40 °C to +85 °C
Frequency/load coefficient	f_o -Load	$\pm 0.1 \times 10^{-6}$ Max.		15 pF ± 10 %
Frequency/voltage coefficient	f_o -Vcc	$\pm 0.1 \times 10^{-6}$ Max.		$V_{cc}=3.3 \text{ V} \pm 0.165 \text{ V}$
Frequency aging	f_{age}	$\pm 0.5 \times 10^{-6}$ Max.		+25 °C, First year
		$\pm 3.0 \times 10^{-6}$ Max.		+25 °C, 20 years
Current consumption	I_{cc}	5.0 mA Max.		12.8 MHz $\leq f_o \leq 26$ MHz
		6.0 mA Max.		26 MHz $< f_o \leq 40$ MHz
Input resistance	R_{in}	100 k Ω Min.	—	Vc- GND (DC)
Frequency control range	f_{cont}	$\pm 5.0 \times 10^{-6}$ to $\pm 12.0 \times 10^{-6}$	—	$V_c=1.65 \text{ V} \pm 1.65 \text{ V}$
Frequency change polarity	—	Positive polarity	—	
Symmetry	SYM	40 % to 60 %		GND level (DC cut)
Output voltage	V_{OH}	0.9 V Min.		
	V_{OL}	0.1 V Max.		
Output load condition (CMOS)	L_{CMOS}	15 pF Max.		
Input voltage	V_{IH}	2.4 V Min.		OE terminal
	V_{IL}	0.6 V Max.		

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

External dimensions

(Unit: mm)



Footprint (Recommended)

(Unit: mm)

