



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



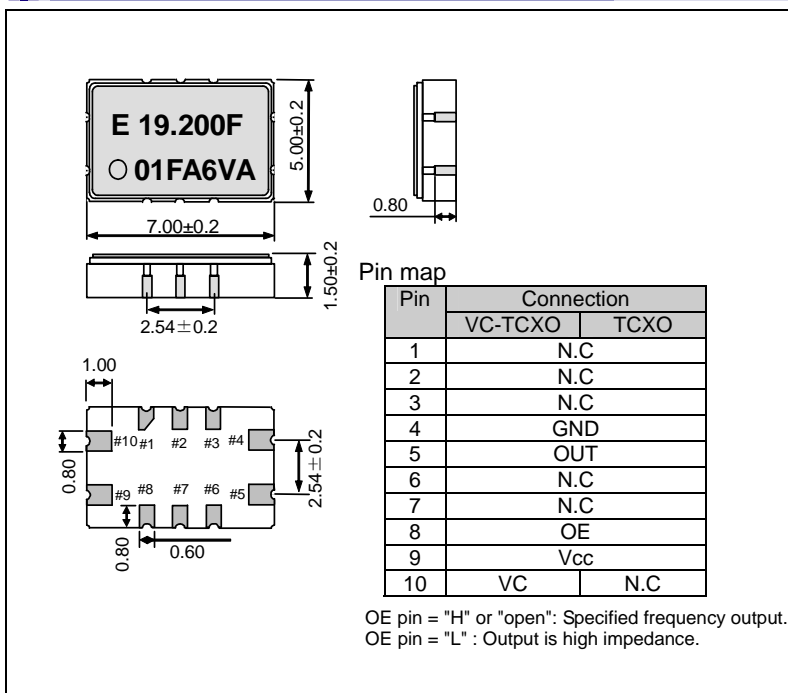
Specifications (characteristics)

Item	Symbol	Specifications		Conditions / Remarks
		VC-TCXO	TCXO	
Output frequency range	f _o	12.8 MHz to 40.0 MHz 12.8, 16.368, 19.2, 20, 25.6, 26, 32.736, 40 MHz		Standard frequency
Supply voltage	V _{cc}	3.3 V ± 0.165 V (Supply voltage range : 2.7 V to 5.5 V)		
Storage temperature	T _{stg}	-40 °C to +90 °C		Storage as single product.
Operating temperature	T _{use}	-40 °C to +85 °C		
Frequency tolerance	f _{tol}	±1.0 × 10 ⁻⁶ Max.		After reflow, +25 °C
Frequency/temperature characteristics	f _o -Tc	±0.28 × 10 ⁻⁶ Max.		-40 °C to +85 °C
Frequency/load coefficient	f _o -Load	±0.1 × 10 ⁻⁶ Max.		15 pF ±10 %
Frequency/voltage coefficient	f _o -V _{cc}	±0.1 × 10 ⁻⁶ Max.		V _{cc} =3.3 V ± 0.165 V
Frequency aging	f _{age}	±0.5 × 10 ⁻⁶ Max.		+25 °C, First year
		±3.0 × 10 ⁻⁶ Max.		+25 °C, 20 years
Current consumption	I _{cc}	5.0 mA Max.		12.8 MHz ≤ f _o ≤ 26 MHz
		6.0 mA Max.		26 MHz < f _o ≤ 40 MHz
Input resistance	R _{in}	100 kΩ Min.	—	V _c - GND (DC)
Frequency control range	f _{cont}	±5.0 × 10 ⁻⁶ to ±12.0 × 10 ⁻⁶		V _c =1.65 V ± 1.65 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 requirements not listed in this specification.

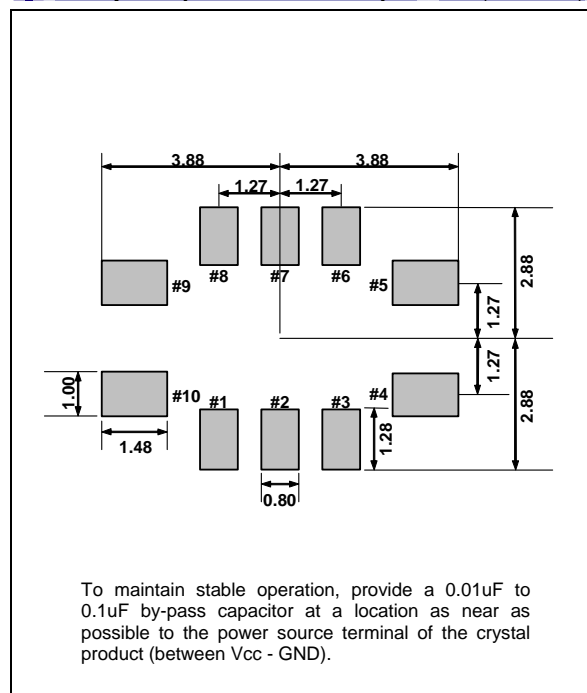
External dimensions

(Unit: mm)



Footprint (Recommended)

(Unit: mm)



PROMOTION OF ENVIRONMENTAL MANAGEMENT SYSTEM CONFORMING TO INTERNATIONAL STANDARDS

At Seiko Epson, all environmental initiatives operate under the Plan-Do-Check-Action (PDCA) cycle designed to achieve continuous improvements. The environmental management system (EMS) operates under the ISO 14001 environmental management standard.

All of our major manufacturing and non-manufacturing sites, in Japan and overseas, completed the acquisition of ISO 14001 certification.

ISO 14000 is an international standard for environmental management that was established by the International Standards Organization in 1996 against the background of growing concern regarding global warming, destruction of the ozone layer, and global deforestation.




WORKING FOR HIGH QUALITY

In order provide high quality and reliable products and services than meet customer needs,

Seiko Epson made early efforts towards obtaining ISO9000 series certification and has acquired ISO9001 for all business establishments in Japan and abroad. We have also acquired ISO/TS 16949 certification that is requested strongly by major automotive manufacturers as standard.

ISO/TS16949 is the international standard that added the sector-specific supplemental requirements for automotive industry based on ISO9001.

► Explanation of the mark that are using it for the catalog

	<p>► Pb free.</p>
	<p>► Complies with EU RoHS directive. *About the products without the Pb-free mark. Contains Pb in products exempted by EU RoHS directive. (Contains Pb in sealing glass, high melting temperature type solder or other.)</p>
	<p>► The products have been designed for high reliability applications such as Automotive.</p>

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