



TCXO ULTRA MINIATURE SIZE LOW PROFILE HIGH STABILITY TG - 5035CJ-15N

- Frequency range : 16.369 MHz
- Supply voltage : 1.8 V, 2.8 V and 3.0 V Typ.
- Frequency / temperature characteristics : $\pm 0.5 \times 10^{-6}$ Max.
- External dimensions: 2.0 x 1.6 x 0.73 mm
- Applications : Cellular phone (GPS)
- Features : High stability
: Low supply voltage (1.8 V)



Product Number (Please contact us)
X1G003841001100



Actual size



Note: The marking is different from the actual one

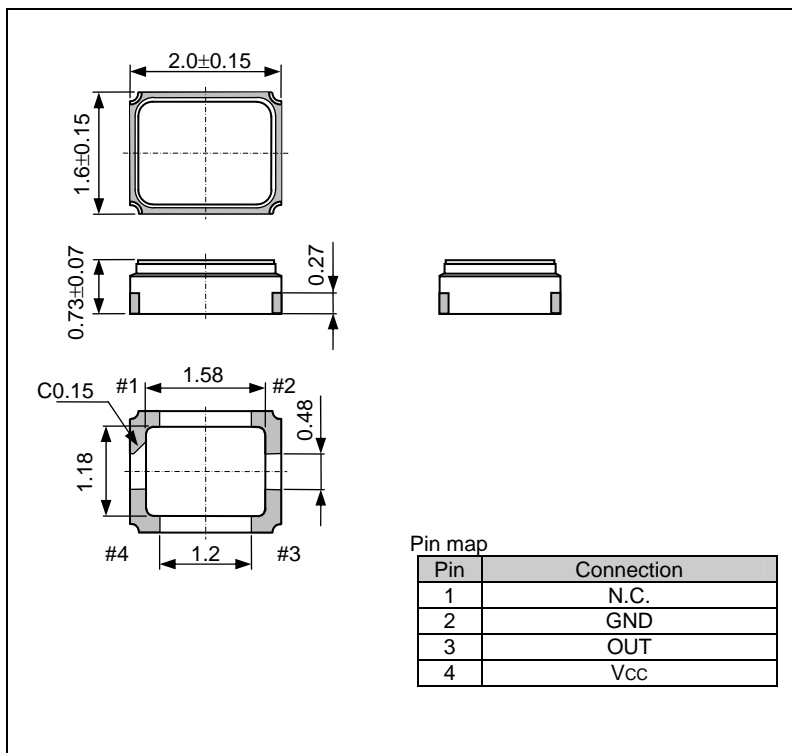
Specifications (characteristics)

Item	Symbol	Specifications	Conditions / Remarks
Output frequency range	f_o	16.369 MHz	
Supply voltage	V _{cc}	1.8 V \pm 0.1 V, 2.8 V \pm 0.1 V, 3.0 V \pm 0.1 V	Supply voltage range: 1.7 V to 3.3 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	f _o -T _c	$\pm 0.5 \times 10^{-6}$ Max.	-30 °C to +85 °C
Frequency/load coefficient	f _o -Load	$\pm 0.2 \times 10^{-6}$ Max.	10 k Ω // 10 pF \pm 10 %
Frequency/voltage coefficient	f _o -V _{cc}	$\pm 0.2 \times 10^{-6}$ Max.	1.8 V \pm 0.1 V, 2.8 V \pm 0.1 V, 3.0 V \pm 0.1 V
Frequency aging	f _{age}	$\pm 1.0 \times 10^{-6}$ Max.	+25 °C, First year
Current consumption	I _{cc}	1.5 mA Max.	V _{cc} =2.8 V, 10 k Ω // 10 pF
Symmetry	SYM	45 % to 55 %	GND level (DC cut)
Output voltage	V _{pp}	0.8 V Min.	peak to peak
Output load condition	Load _R	10 k Ω	DC cut capacitor = 0.01 μ F
	Load _C	10 pF	

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

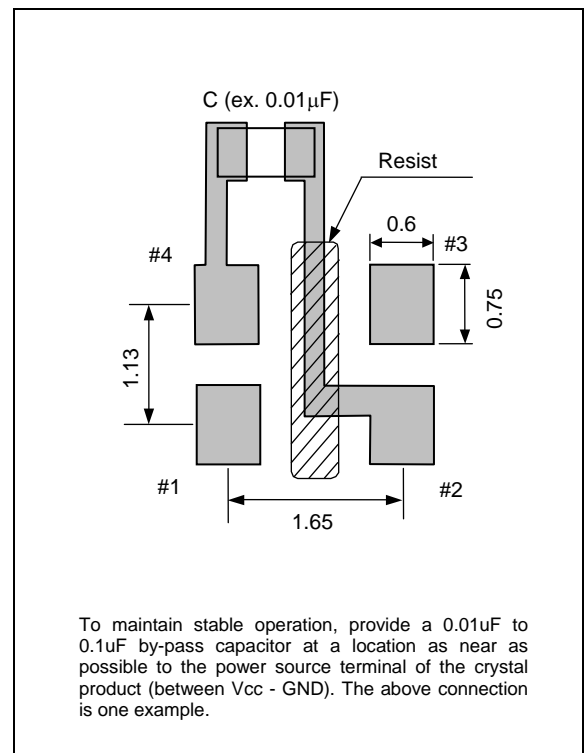
External dimensions

(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

	► Pb free.
	► 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.)
	► The products have been designed for high reliability applications such as Automotive.

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