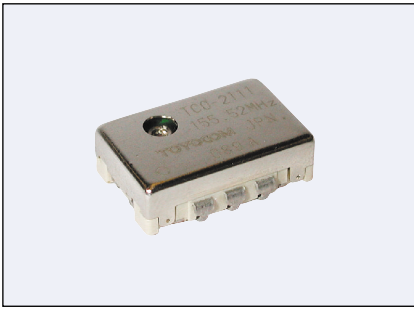


Voltage Controlled Crystal Oscillator (VCXO)



# TCO-211\* Series

6Pin J-Lead VCXO

## Features

- High frequency
- Wide frequency control range

## Application

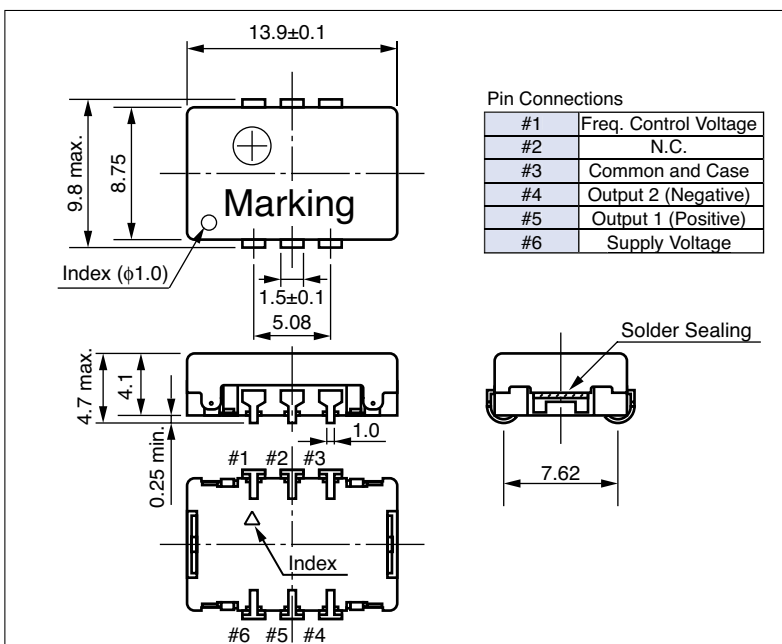
- Transmission equipment
- Measurement system

## Specifications

Type	TCO-2111	TCO-2112	TCO-2113	TCO-2114
Standard frequency	77.76 , 155.52 , 156.250 , 166.6286 , 622.08 , 666.5143			
Supply voltage	+3.3 V $\pm$ 5 %	+5 V $\pm$ 5 %	-5.2 V $\pm$ 5 %	+3.3 V $\pm$ 5 %
Supply current	65 mA max.	65 mA max.	65 mA max.	55 mA max.
Output level	LV-PECL	PECL	ECL	LVDS
Stability vs Temperature	$\pm$ 35 ppm max. / -40 °C to +85 °C ( Ref. at +25 °C)			
Stability vs Supply voltage	$\pm$ 5.0 ppm max. +3.3 V $\pm$ 5 %	$\pm$ 5.0 ppm max. +5 V $\pm$ 5 %	$\pm$ 5.0 ppm max. -5.2 V $\pm$ 5 %	$\pm$ 5.0 ppm max. +3.3 V $\pm$ 5 %
Aging	$\pm$ 5.0 ppm max. / year			
Frequency control range	$\pm$ 100 ppm min.			
Control voltage	+1.65 V $\pm$ 1.65 V	+2.5 V $\pm$ 2.0 V	+2.5 V $\pm$ 2.0 V	+1.65 V $\pm$ 1.65 V
Frequency range	70 to 670 MHz			

Note ) The above specifications are our standard. Upon request we offer proposal specifications separately.

## Package Outlines [Dimensions in mm]



## Footprint [Dimensions in mm]

