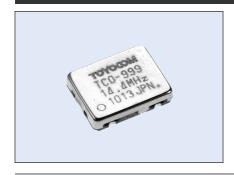


## **Temperature Compensated Crystal Oscillaor (TCXO)**



# TCO-999 Series

0.126cc VC-TCXO

#### Features

- ●Ultra miniature size: 9.0(W) X 7.0(D) X 2.0(H)mm
- Surface mounting is possible
- ●Low SSB phase noise

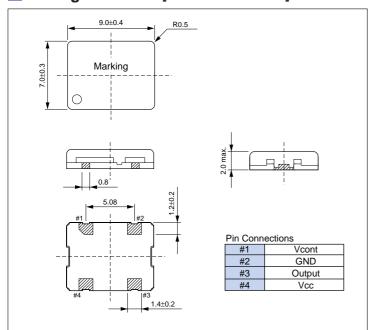
# Application

Personal Cellular Phone

## Specifications

Туре	TCO-999
Frequency	12.6 MHz, 12.8 MHz, 13 MHz, 14.4 MHz, 15.36 MHz, 16.8 MHz, 19.2 MHz, 19.44 MHz, 19.68 MHz, 19.8 MHz, 26 MHz
Supply voltage	+3 V ±5 %
Supply current	2.0 mA max.
Output level	0.8 Vp-p min. (DC-cut, clipped sinewave)
	10 kΩ // 10 pF
Stability vs Temperature	±2.5 ppm max. / –30 °C to +75 °C
Stability vs Supply voltage	$\pm 0.3$ ppm max. / +3 V $\pm 5$ %
Stability vs Load	$\pm 0.2$ ppm max. / (Load: 10 k $\Omega \pm 1$ k $\Omega$ // 10 pF $\pm 1$ pF)
Frequency Tolerance	±2.5 ppm max. / +25 °C ±2°C, before reflow
Aging	±1.0 ppm max. / year
Frequency control range	±8.0 ppm min. / +1.5 V ±1.0 V

#### Package Outlines [Dimensions in mm]



#### Foot Pattern [Dimensions in mm]

