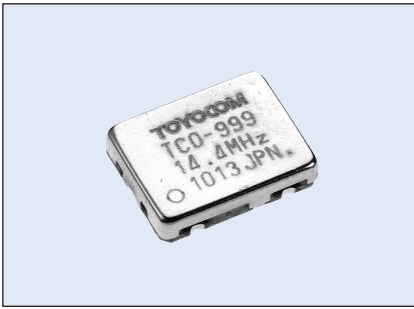


Temperature Compensated Crystal Oscillator (TCXO)



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

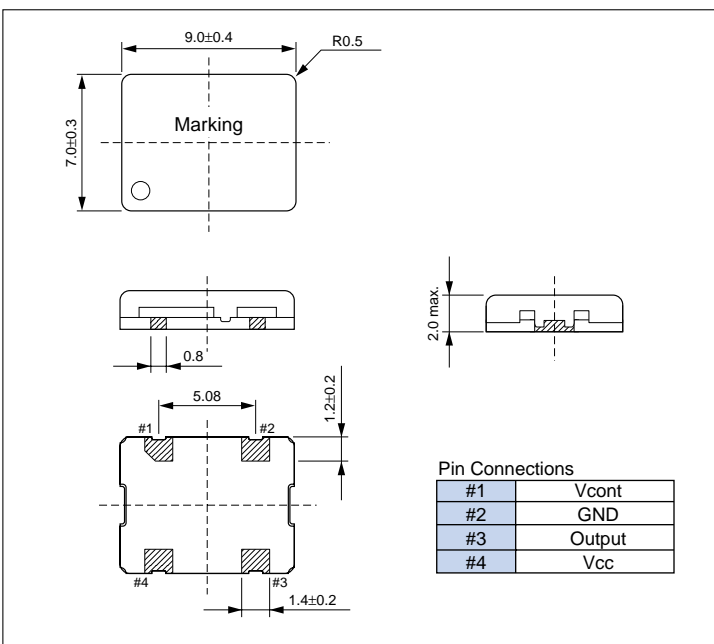
Application

- Personal Cellular Phone

Specifications

Type	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 \pm 5 %
Supply current	2.0 mA max.
Output level	0.8 Vp-p min. (DC-cut, clipped sinewave) 10 k Ω // 10 pF
Stability vs Temperature	\pm 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 Ω \pm 1 k Ω // 10 pF \pm 1 pF)
Frequency Tolerance	\pm 2.5 ppm max. / +25 °C \pm 2°C, before reflow
Aging	\pm 1.0 ppm max. / year
Frequency control range	\pm 8.0 ppm min. / +1.5 V \pm 1.0 V

Package Outlines [Dimensions in mm]



Foot Pattern [Dimensions in mm]

