

# Product Line up

## Temperature Compensated Crystal Oscillators (TCXO)

### Applications

- ▶ GPS
- ▶ Handsets
- ▶ Base Stations
- ▶ Broadband Access
- ▶ Seismic Exploration
- ▶ WiMAX, Wi-Fi, Wi-LAN
- ▶ Testing & Instrument
- ▶ Wireless Communications



### Overview

Pletronics TCXO's are highly accurate and stable. They generate precise timing signals for timing-sensitive applications like industrial control, communications, and medical devices, to ensure they function correctly under extreme working environments. Pletronics TCXO's are also low-power, tiny in size, and easy to use. They are ideal for applications where battery life as an essential factor or where space is limited.

### Product Line up

Product Series	Output Logic	Frequency Range	Stability (-40°C to 85°C)	VDD	I <sub>dd</sub> (typ)	Phase Noise (typ)	Package Size
UCG4	Clipped Sine Wave	10 to 40MHz	±2.5ppm	1.8V 2.5V 3.3V	2mA	-110 dBc/Hz @ 100Hz -130 dBc/Hz @ 1kHz -145 dBc/Hz @ 10kHz -145 dBc/Hz @ 100kHz	2.0 x 1.6mm (4 pads)
UCG6	Clipped Sine Wave	10 to 40MHz	±2.5ppm	1.8V 2.5V 3.3V	2mA	-110 dBc/Hz @ 100Hz -130 dBc/Hz @ 1kHz -145 dBc/Hz @ 10kHz -145 dBc/Hz @ 100kHz	2.0 x 1.6mm (6 pads)
UCF4	Clipped Sine Wave	10 to 40MHz	±2.5ppm	1.8V 2.5V 3.3V	2mA	-110 dBc/Hz @ 100Hz -130 dBc/Hz @ 1kHz -145 dBc/Hz @ 10kHz -145 dBc/Hz @ 100kHz	2.5 x 2.0mm
UCE4	Clipped Sine Wave	10 to 40MHz	±2.5ppm	1.8V 2.5V 3.3V	2mA	-110 dBc/Hz @ 100Hz -130 dBc/Hz @ 1kHz -145 dBc/Hz @ 10kHz -145 dBc/Hz @ 100kHz	3.2 x 2.5mm
UCD4	Clipped Sine Wave	10 to 40MHz	±1ppm	2.5V 3.3V	4mA	-120 dBc/Hz @ 100Hz -134 dBc/Hz @ 1kHz -148 dBc/Hz @ 10kHz -150 dBc/Hz @ 100kHz	5.0 x 3.2mm
UHD4	CMOS	10 to 40MHz	±1ppm	2.5V 3.3V	7mA	-120 dBc/Hz @ 100Hz -134 dBc/Hz @ 1kHz -148 dBc/Hz @ 10kHz -150 dBc/Hz @ 100kHz	5.0 x 3.2mm



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