

Product Lineup

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 Lineup

Product Series	Output Logic	Frequency Range	Stability (-40°C to 85°C)	VDD	I _{dd} (typ)	Phase Noise @ 26MHz (typ)	Package Size
UCG4	Clipped Sine Wave	10 to 40MHz	±2.5ppm	1.8V 2.5V 3.3V	2mA	-121 dBc/Hz @ 100Hz -140 dBc/Hz @ 1kHz -153 dBc/Hz @ 10kHz -160 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	-118 dBc/Hz @ 100Hz -139 dBc/Hz @ 1kHz -155 dBc/Hz @ 10kHz -157 dBc/Hz @ 100kHz	2.5 x 2.0mm
UHF4	CMOS	9.5 ~ 40MHz	±2.5ppm	1.8V 2.5V 3.3V	5mA 5.5mA 6mA	-100 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	-119 dBc/Hz @ 100Hz -139 dBc/Hz @ 1kHz -155 dBc/Hz @ 10kHz -157 dBc/Hz @ 100kHz	3.2 x 2.5mm
UHE4	CMOS	9.5 ~ 40MHz	±2.5ppm	1.8V 2.5V 3.3V	5mA 5.5mA 6mA	-100 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	4mA	-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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