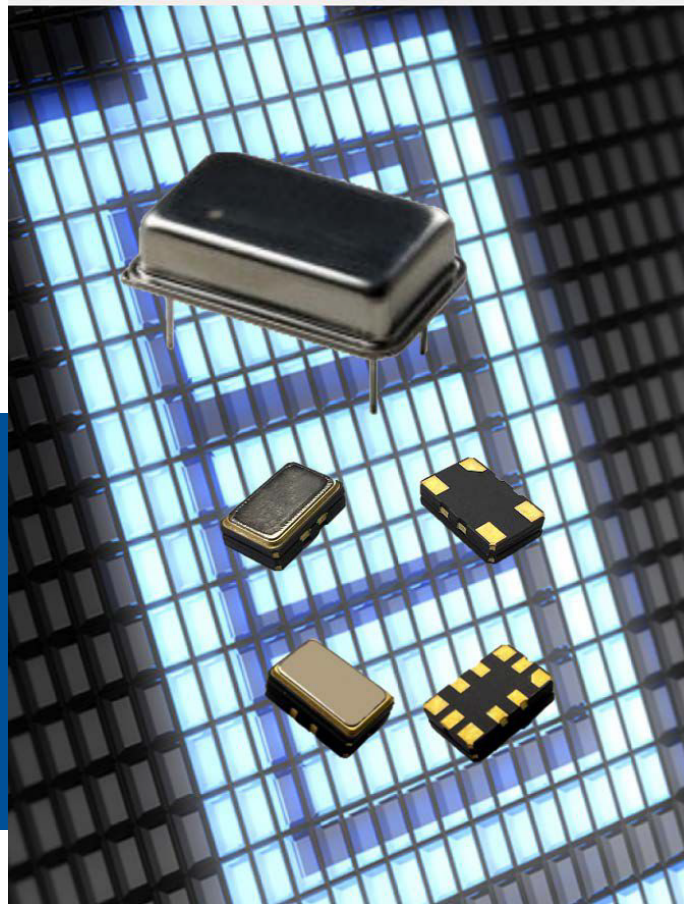


# Product Lineup

## OCXO equivalent Crystal Oscillators (OeXO®)



### Applications

- ▶ SONET / SDH / DWDM
- ▶ Test & Measurement
- ▶ Telecom Transmission & Switching Equipment
- ▶ Base Stations / Picocell
- ▶ Wireless Communication Equipment

### Overview

Pletronics OeXO® is a high-precision crystal oscillator. The superior performance is comparable to OCXO and is ideal for OCXO replacement especially applications that require low power but high precision clock frequency. In addition, the miniature design is the best fit for the application with a size limitation. Especially battery-operated portable devices where package size and power consumption are the 2 most critical criteria for design requirements.

### Product Lineup

| Product Series | Output Logic            | Frequency Range | Stability                                                   | Vcc        | ICC (typ) @40MHz          | RMS Jitter(typ) 12KHz - 5MHz @20MHz | Package Size           | Remarks           |
|----------------|-------------------------|-----------------|-------------------------------------------------------------|------------|---------------------------|-------------------------------------|------------------------|-------------------|
| OeE3           | CMOS / Clipped Sinewave | 10/20/25MHz     | ±0.28ppm@-40 ~ 85°C                                         | 2.5 ~ 3.3V | 6.5mA @ CMOS<br>4mA @ CSW | 0.3ps                               | 3.2 x 2.5 mm (8 pads)  | Stratum 3 support |
| OeE4           | CMOS / Clipped Sinewave | 10 ~ 40MHz      | ±50ppb@0 ~ 70°C<br>±100ppb@-10 ~ 70°C<br>±200ppb@-40 ~ 85°C | 2.5 ~ 3.3V | 6.5mA @ CMOS<br>4mA @ CSW | 0.3ps                               | 3.2 x 2.5 mm (8 pads)  |                   |
| OeDA           | CMOS / Clipped Sinewave | 8.192 ~ 40MHz   | ±50ppb@0 ~ 70°C<br>±100ppb@-10 ~ 70°C<br>±200ppb@-40 ~ 85°C | 2.5 ~ 3.3V | 6.5mA @ CMOS<br>4mA @ CSW | 0.3ps                               | 5.0 x 3.2 mm (10 pads) |                   |
| OeD4           | CMOS / Clipped Sinewave | 8.192 ~ 40MHz   | ±50ppb@0 ~ 70°C<br>±100ppb@-10 ~ 70°C<br>±200ppb@-40 ~ 85°C | 2.5 ~ 3.3V | 6.5mA @ CMOS<br>4mA @ CSW | 0.3ps                               | 5.0 x 3.2 mm (4 pads)  |                   |
| TTA4           | CMOS / Clipped Sinewave | 8.192 ~ 40MHz   | ±50ppb@0 ~ 70°C<br>±100ppb@-10 ~ 70°C<br>±200ppb@-40 ~ 85°C | 2.5 ~ 3.3V | 6.5mA @ CMOS<br>4mA @ CSW | 0.3ps                               | 7.0 x 5.0 mm (4 pads)  |                   |
| OeB6           | CMOS / Sinewave         | 40 ~ 150MHz     | ±50ppb@0 ~ 70°C<br>±100ppb@-10 ~ 70°C<br>±200ppb@-40 ~ 85°C | 2.5 ~ 3.3V | 25mA @ 100MHz CMOS        | 0.092ps 12KHz - 20MHz @ 100MHz      | 14.3 x 9.6 mm (6 pads) |                   |
| OeM4           | CMOS / Clipped Sinewave | 8.192 ~ 40MHz   | ±50ppb@0 ~ 70°C<br>±100ppb@-10 ~ 70°C<br>±200ppb@-40 ~ 85°C | 2.5 ~ 3.3V | 6.5mA @ CMOS<br>4mA @ CSW | 0.3ps                               | 20.1 x 12.5 mm         |                   |



**Pletronics, Inc.**



[www.pletronics.com](http://www.pletronics.com)



[sales@pletronics.com](mailto:sales@pletronics.com)

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