

High-Speed Oscillator



Pericom and SaRonix announce a crystal clock oscillator technology that improves reliability at higher operating frequencies. The S1614XP and S1613XP product families combine Pericom integrated circuit technology are housed in hermetically sealed, 5 × 7 mm ceramic packaging that is footprint compatible with clock oscillators used today. Operating at 2.5 or 3.3 V, and compatible with LVCMOS/LVTTL signals, the clocks may be specified to operate from 100 to 160 MHz with total stability better than ±25 ppm over commercial conditions or ±50 ppm over industrial operating conditions. Due to design, the clock circuit achieves 0.5 ps 1-sigma RMS computed phase jitter with thicker. Common operating frequencies include 100, 106.25, 125, 133, 150, 155.52 and 156.25 MHz.

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