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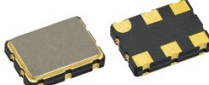
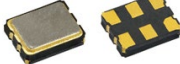
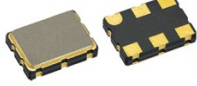
Portfolio Expansion, Part 6: New Vishay Surface-Mount LVPECL Crystal Oscillators

To simplify your frequency control device (FCD) sourcing process, Vishay is adding a host of new products that fill out our portfolio with more device options and package sizes at a wider range of price points. These products will provide additional options for designs where achieving a specific price / performance ratio is key.

For our next release, we're announcing four new surface-mount crystal oscillators designed for network synchronization in telecom applications. The Vishay Dale XO-23P and XO-57P feature low voltage positive emitter couple logic (LVPECL), while the XO-23L and XO-57L offer low voltage differential signaling (LVDS). Both logic types are used in OC-12, OC-48, and OC-192 architectures. The devices are available in footprints as small as 3.2 mm by 2.5 mm by 1.2 mm, which represents an 80 % reduction in size compared to the previous industry standard. The oscillators feature tri-state enable / disable, input voltages of 2.5 V and 3.3 V, and high frequency operation up to 300.00 MHz. In addition to telecom applications, the devices will be used in energy distribution and management systems, industrial infrastructure, medical instrumentation, storage area networks (SAN), and fiber channels.

The devices will be in stock at our worldwide network of distributors starting in early to mid August. To learn more about product specifics, just click on the Vishay part numbers in the table below.

Surface-Mount Crystal Oscillators

Vishay part number	Size (mm)	Product photo	Logic compatibility	Frequency range
XO-23P	3.2 x 2.5 x 1.2		LVPECL	77.76 MHz to 156.26 MHz
XO-57P	7.0 x 5.0 x 1.8		LVPECL	77.76 MHz to 156.26 MHz
XO-23L	3.2 x 2.5 x 1.2		LVDS	77.76 MHz to 300.00 MHz
XO-57L	7.0 x 5.0 x 1.8		LVDS	77.76 MHz to 156.26 MHz



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Fast Facts

Product Group: Vishay Dale, Inductors / July 2025



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