

**FOR IMMEDIATE RELEASE**

San Francisco, Calif., July 14, 2005 - Highland Technology announced the release of its new Model J720/J730 Electrical/Optical and Optical/Electrical Converters.



It has always been difficult to transport fast logic signals long distances over copper conductors. Coaxial or twisted-pair transmission lines introduce attenuation, dispersion, ground loops, and provide entrée for external electrical noise. The result can be jitter, pulse width distortion, and ultimately, logic errors.

Highland Technology has introduced a pair of compact devices which convert logic levels to fiberoptic media for fast, low-noise transport over long distances. The model J720 is a compact electrical-to-optical converter, and the J730 optical-to-electrical converter is its companion receiver; both use commonly available ST-connectorized 62/125 micron multimode fiber. The J720 E/O converter is powered only by its logic-level input, and the J730 O/E converter requires a +12 volt supply, user-furnished or from an accessory wall-plug power adapter.

A J720/J730 combination can transport a logic level or critical timing trigger kilometers in high EMI environments

with link jitter below 10 ps RMS. The J730 provides a digital logic output with risetime below 750 ps, and a fast analog (180 MHz bandwidth) output is also provided for monitoring link integrity.

The J720 and J730 converters are compatible with the Highland Technology Model P400 Digital Delay/Pulse Generator and the company's other VME-packaged electrical/optical converter products.

For further information, contact Highland Technology,  
[www.HighlandTechnology.com](http://www.HighlandTechnology.com), tel: 451 753-5814