

FastIL: Revolutionizing Connectivity Testing

The Passive Component Tester (PCT) from VIAVI is a customer-led product, which now has adopted an exciting process called **FastIL**, an innovative feature designed to enhance your testing throughput and efficiency. FastIL is a game-changer for manufacturers in the connectivity sector, offering unparalleled speed enhancements to fastest IL/RL test meter on the market.



Why FastIL?

FastIL addresses several key needs:

- **Reduction of High Production Costs:** For manufacturers with high production costs per Device Under Test (DUT), especially those with multiple fibers, FastIL offers a cost-effective solution by enabling pre-screening before full testing.
- **Manage Complex Testing Setups:** Manufacturers using a switch and an integrating sphere will benefit from FastIL's ability to quickly switch between channels and measure insertion loss efficiently.
- **Easy Automation and Process Control:** For manufacturers who integrate their own software, FastIL can be fully automated and accessed via SCPI commands, making it a perfect fit for automated testing environments.



Key Benefits

- **Increased Throughput:** FastIL allows you to perform insertion loss pre-screening on any number of channels in your DUT, significantly increasing your testing throughput.
- **Cost Efficiency:** By pre-screening channels, you can decide whether to perform a full measurement or rework the DUT, reducing overall test costs.
- **Versatility:** FastIL can handle DUTs of any complexity or input/output mapping, providing unmatched flexibility compared to other solutions.
- **Free Feature:** FastIL is natively included within PCTmax, with no additional cost, making it an economical choice for your testing needs.

Throughput Improvements

With Fast IL manufacturers can see throughput increases exceeding 100% improvement, depending on their DUT channel count and first pass yield for each channel.

Throughput Increase	80% Single Channel Yield	90% Single Channel Yield
1 Channel	13%	2%
12 Channels	100%	60%
64 Channels	170%	110%

Common Questions

How fast can FastIL measure the DUT?

FastIL can pre-screen the insertion loss of a DUT at a speed of 0.2 seconds per channel. While not a metrology-grade measurement, it provides valuable insights into the performance of the DUT.

Why can't all IL measurements be FastIL measurements?

FastIL pushes the physical limits of optical switching and switch settling speeds. It is designed for pre-screening to identify good and bad channels quickly, rather than providing the precise measurements for well-operating channels that the PCT returns in a standard measurement.

FastIL is a revolutionary feature that enhances your testing capabilities, offering increased throughput, cost efficiency, and versatility. By integrating FastIL into your testing process, you can achieve faster, more efficient, and cost-effective results. Connect with a VIAVI Representative to learn more about the Passive Component Tester (PCT).



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