

Value Proposition & Differentiators of the Progressive ODL system

Low Cost, Affordable: *The Progressive ODL system is the most cost-effective ODL system in the market for cases where the customer requires many different delay lines.*

In case that the customer requires a *significant amount* of different delay lines (e.g. 8 to 256 delay states), the *Progressive ODL system* is a one system solution that can scale the costs of utilizing many *Single ODL systems or several Switchable ODL systems*.

Using a *Progressive ODL system* can provide you with savings of up to 200% -1000 % when compared to utilizing the traditional ODL systems depending on the number of delay lines.

Ease of Operation: *The Progressive ODL system can operate with an Automatic Gain for all different delay states facilitating the use for the operator of the system.*

For example, a 255 *us* delay line when compared to 1 *us* delay line, has a variance of about 25 dB loss between the two states, which can be 'automatically compensated' to ± 1 dB

This feature enables a much easier *operation and a user-friendly customer experience*.

Compact Design: *The Progressive ODL System is much more compact than any other ODL architecture. The system is designed to fit where you need it, saving space and resources.*

Easy Installation: *The Progressive ODL system can be installed in a small space within a short time.*

Low Complexity: *Our Progressive ODL System easily integrates to your system.* Because of its optimized design, it keeps the system simple as opposed to connecting it to many different ODL systems.

Reliability: *Our Progressive ODL system has minimum number of fiber connectors, designed and tested as a most reliable ODL system.*

Below is an example comparison between different ODL architectures with different number of delay states:

	Cost Factor vs. # Delays: 8-256	Easy Operation (system gain var.)	Compactness	Installation	Complexity	Reliability*
Progressive ODL system	1	Easy ~ ± 1 dB	High (1)	Easy (1)	Simplicity	High
Switching ODL systems	~2-10	Uneasy (~25 dB variance)	Mid (2-5)	Difficult (2-5)	High Complexity	Mid
Single ODL systems	~10-50	Uneasy (~25 dB variance)	Low (10-50)	Difficult (10-50)	High Complexity	Mid

* The Reliability is also 'High' for Standard/Switchable Delay system with one/few delays.

Differentiators:

RFOptic has created an innovative design of our *Progressive Delay line* system with unique features and optimized architecture of multiple delays, e.g. 8 to 256 delay states.

1. Most Cost-effective solution in the market for ODLs with many delay lines.
2. Automatic Gain Control mechanism for the *Progressive Delay line* systems.