

## CAPACITY SOLUTION, 40 CHANNEL DWDM, POINT-TO-POINT

### SITUATION

Between two locations (locations A and Z) you need to add multiple new services between the two but don't have any free fiber. Using the 40Ch DWDM Multiplexer/Demultiplexer (MUX/DMX) will allow you greatly increase the capacity of the fiber by 40 to 1. Refer to Figure 1 below for a logical diagram of this application.

### SOLUTION

Using 40Ch DWDM filters will provide a passive, non-powered, low loss solution to add the needed capacity along the span. Using industry standard, 100GHz spaced, channels this solution is ideal for a high-capacity upgrade for your fiber network. When combined with readily available tunable optics this solution becomes a very versatile, future ready solution to fiber capacity concerns of today.

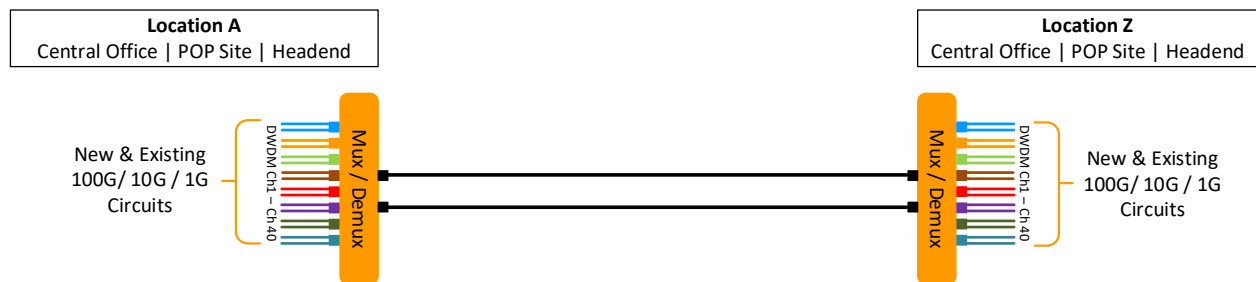


FIGURE 1: POINT TO POINT DWDM

#### FEATURES

- 40 Channel DWDM
- Configuration: MUX/DMX
- ITU Channels 20-59
- 2% Monitor Port
- Form Factor: Rack Mount
- Temp Range: I-Temp

#### HIGHLIGHTS

- Low Loss: DWDM Channels: <4.0db
- Quick to Deploy: Typically, in Minutes
- Versatile: Uses ITU Ch20 to Ch 59, 1G to 100G per Channel

#### ENVIRONMENT

- Central Office
- Headend
- Remote Site
- MDU

### ORDERING INFORMATION

PART NUMBER	DESCRIPTION
PLO-11DG-AAAA-LC	1RU, 19-23 INCH, 40 CHANNEL DWDM MUX-DEMUX, GAUSSIAN, ITU CH 20-59, 1561.42 - 1530.33, 2% MONITOR, LC-UPC

*NOTE: FOR LINEAR DROP AND CONTINUE CONFIGURATIONS CHECK OUT THE COMPLIMENTARY, LGX BASED 1, 2, 4, & 8 CHANNEL DWDM FILTER SOLUTIONS.*

