

Application Note | Two Services, OADM | DWDM

Situation

Between two locations (A and Z), that are equipped with a 40 channel DWDM system, you need to provide service to mid-span location X. You need to drop two 1G/10G access services and connect them to both locations A & Z for a protected SLA service. Refer to Figure 1 below for a logical diagram of this application.

Solution

Using a two channel DWDM Optical Add Drop Multiplexer (OADM) will provide a passive, non-powered, low loss solution to deliver the SLA services. This OADM can be used to access two DWDM channels along the route while passing the remaining 38 channels.

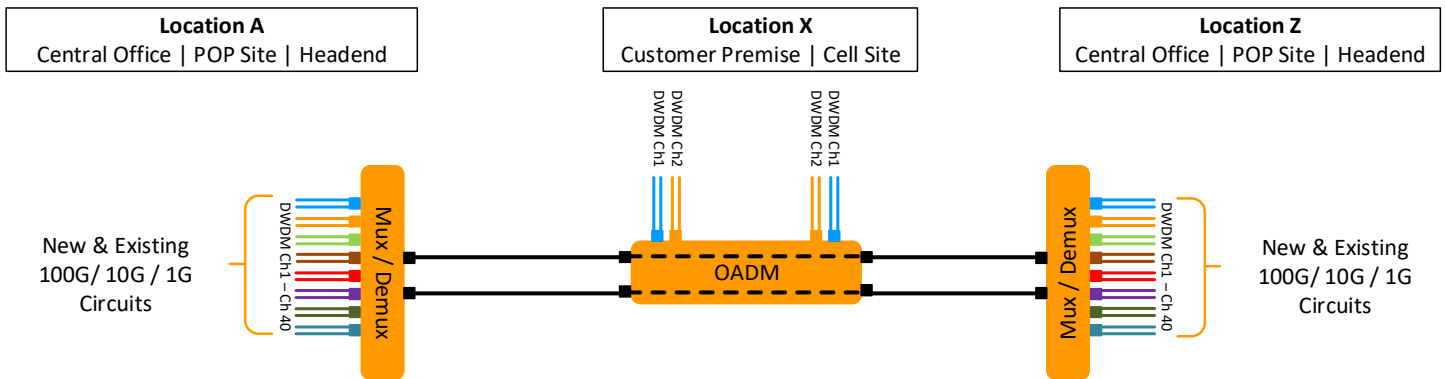


Figure 1: Linear OADM Diagram, 2Ch DWDM

Part Number: PLO-L3DT-A2EX-LC

Description: LGX, 2 Channel DWDM OADM, ITU CXX-XX (Channels 20-59), 2% Monitor, LC-UPC

Features

- Add/Drop: 2 DWDM Channels
- Monitor Port: 2%
- 20 Variants: ITU Ch 20-59
- Technology: DWDM
- Configuration: OADM
- Form Factor: LGX
- Temp Range: I-Temp
- **Low Loss:** Add/Drop < 1.9db, Express < 2.2db
- **Quick to Deploy:** Typically, in Minutes
- **Versatile:** Available in pairs for ITU Ch20 to Ch 59





Ordering Information	
Part Number	Description
PLO-L3DT-A2E1-LC	LGX, 2 Channel DWDM OADM, ITU C20-C21, 1561.42, 1560.61, 2% Monitor, LC-UPC
PLO-L3DT-A2E2-LC	LGX, 2 Channel DWDM OADM, ITU C22-C23, 1559.79, 1558.98, 2% Monitor, LC-UPC
PLO-L3DT-A2E3-LC	LGX, 2 Channel DWDM OADM, ITU C24-C25, 1558.17, 1557.36, 2% Monitor, LC-UPC
PLO-L3DT-A2E4-LC	LGX, 2 Channel DWDM OADM, ITU C26-C27, 1556.55, 1555.75, 2% Monitor, LC-UPC
PLO-L3DT-A2E5-LC	LGX, 2 Channel DWDM OADM, ITU C28-C39, 1554.94, 1554.13, 2% Monitor, LC-UPC
PLO-L3DT-A2E6-LC	LGX, 2 Channel DWDM OADM, ITU C30-C31, 1553.33, 1552.52, 2% Monitor, LC-UPC
PLO-L3DT-A2E7-LC	LGX, 2 Channel DWDM OADM, ITU C32-C33, 1551.72, 1550.92, 2% Monitor, LC-UPC
PLO-L3DT-A2E8-LC	LGX, 2 Channel DWDM OADM, ITU C34-C35, 1550.12, 1549.32, 2% Monitor, LC-UPC
PLO-L3DT-A2E9-LC	LGX, 2 Channel DWDM OADM, ITU C36-C37, 1548.51, 1547.72, 2% Monitor, LC-UPC
PLO-L3DT-A2E0-LC	LGX, 2 Channel DWDM OADM, ITU C38-C39, 1546.92, 1546.12, 2% Monitor, LC-UPC
PLO-L3DT-A2EA-LC	LGX, 2 Channel DWDM OADM, ITU C40-C41, 1545.32, 1544.53, 2% Monitor, LC-UPC
PLO-L3DT-A2EB-LC	LGX, 2 Channel DWDM OADM, ITU C42-C43, 1543.73, 1542.94, 2% Monitor, LC-UPC
PLO-L3DT-A2EC-LC	LGX, 2 Channel DWDM OADM, ITU C44-C45, 1542.14, 1541.35, 2% Monitor, LC-UPC
PLO-L3DT-A2ED-LC	LGX, 2 Channel DWDM OADM, ITU C46-C47, 1540.56, 1539.77, 2% Monitor, LC-UPC
PLO-L3DT-A2EE-LC	LGX, 2 Channel DWDM OADM, ITU C48-C49, 1538.98, 1538.19, 2% Monitor, LC-UPC
PLO-L3DT-A2EF-LC	LGX, 2 Channel DWDM OADM, ITU C50-C51, 1537.40, 1536.61, 2% Monitor, LC-UPC
PLO-L3DT-A2EG-LC	LGX, 2 Channel DWDM OADM, ITU C52-C53, 1535.82, 1535.04, 2% Monitor, LC-UPC
PLO-L3DT-A2EH-LC	LGX, 2 Channel DWDM OADM, ITU C54-C55, 1534.25, 1533.47, 2% Monitor, LC-UPC
PLO-L3DT-A2EJ-LC	LGX, 2 Channel DWDM OADM, ITU C56-C57, 1532.68, 1531.90, 2% Monitor, LC-UPC
PLO-L3DT-A2EK-LC	LGX, 2 Channel DWDM OADM, ITU C58-C59, 1531.12, 1530.33, 2% Monitor, LC-UPC
<p><i>Note: Plugin Optics also offers 1ch and 4ch OADMs as well as LGX mounting solutions.</i></p>	