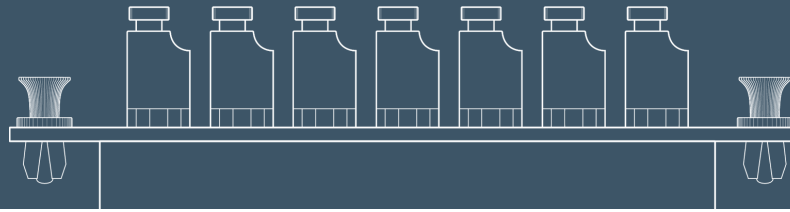


Integra's ISP and OSP Passives

Greater distances, more channels.



Integra's Passive Product Line

Integra offers Inside Plant and Outside Plant CWDM and DWDM passive filters in field-deployable standalone modules or tray-mounted enclosures. We also have mounting chassis options to support a variety of connector types and form factors. Integra's components are designed and customized to work within your infrastructure while also ensuring the flexibility to expand a network as needed.

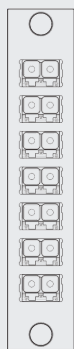
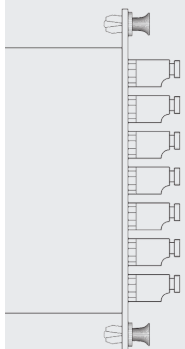
CWDM/DWDM Inside Plant Modules

Integra offers both CWDM and DWDM inside plant modules that integrate smoothly into existing networks. Our customizable configurations meet engineering requirements and include mounting options, space and size constraints, connector type matching and uniformity of design. Our WDM filters meet low insertion loss specifications and support a variety of connector types and form factors.

Integra's Inside Plant Passive Product Line Features:

- Rack Mount: 1, 2, or 3RU, 19" or 23" chassis
- LGX modules, single, double and beyond: 2RU, 3RU, 4RU LGX-style cases, or shelf mounting

Features of CWDM Inside Plant Modules:

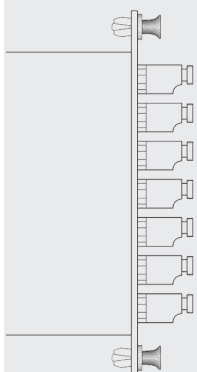


- ⬆ Mux/demuxes, muxes, demuxes, and OADMs
- ⬆ Modules are available in every channel configuration
- ⬆ Modules are available in single-fiber or dual-fiber configurations
- ⬆ Available with a variety of connector types in UPC, APC, LC and SC connectors
- ⬆ Passband filters, monitor (tap) ports, express/upgrade and OTDR ports are optional features
- ⬆ The OADM modules are available in both unidirectional and east-west configurations to support ring topologies



Integra's ISP and OSP Passives

Features of DWDM Inside Plant Modules:

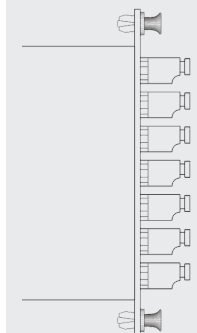


- ⤴ Mux/demuxes, muxes, demuxes, and OADM's
- ⤴ Modules are available in 1 to 40 channel configurations
- ⤴ Will meet desired specification for optional ports: monitor ports, express/upgrade and OTDR ports
- ⤴ Modules are available in single-fiber or dual-fiber configurations
- ⤴ Available with a variety of connector types in UPC, APC, LC and SC connectors
- ⤴ The OADM modules are available in both unidirectional and east-west configurations to support ring topologies

CWDM/DWDM Outside Plant Modules

Integra's customer service and flexibility set us apart from others in the industry. We mount our filters in the style and model of splice tray that you specify, and we provide an exact match, functionally, to the equivalent inside plant module. Our CWDM and DWDM filters provide very low insertion rate and are customizable to meet your engineering requirements. Our outside plant passives offer a wide variety of channel configurations, enabling us to easily match channel plans used by the switch and router and optical transport systems.

Features of CWDM Outside Plant Modules:

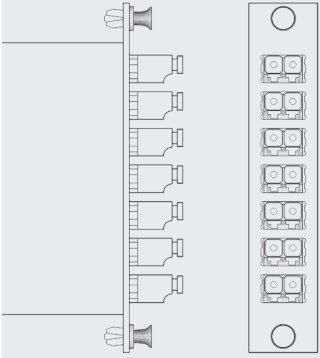


- ⤴ Mux/demuxes, muxes, demuxes, and OADM's
- ⤴ Modules are available in every channel configuration
- ⤴ Modules are available in single-fiber or dual-fiber configurations
- ⤴ Passband filters, monitor (tap) ports, express/upgrade and OTDR ports are optional features
- ⤴ The OADM modules are available in both unidirectional and east-west configurations to support ring topologies



Integra's ISP and OSP Passives

Features of DWDM Outside Plant Modules:



- ⤴ Mux/demuxes, muxes, demuxes, and OADMs
- ⤴ Modules are available in 1 to 40 channel configurations
- ⤴ Modules are available in single-fiber or dual-fiber configurations
- ⤴ Passband filters, monitor (tap) ports, express/upgrade and OTDR ports are optional features
- ⤴ Available with a variety of connector types in UPC, APC, LC and SC connectors
- ⤴ The OADM modules are available in both unidirectional and east-west configurations to support ring topologies

Passive Design Checklist

Before you reach out to one of our passives experts, consider these questions to help determine which design solution will meet your needs:

- Are you looking for CWDM or DWDM?
- What is your target bandwidth capacity?
- What is your power budget?
- What fiber do you have available to you?
- Do you have room to grow?
- What are your environmental concerns?

