

FEATURES & BENEFITS

- **Flexible Configurations for Single or Dual Trunk Fibers**
- **4 Port Primary Filter with Passthrough Enables Future In-service Expansion**
- **Angled SC Connectors Can Support Bi-directional Same Wavelength Applications When Used With Optional Directional Couplers**
- **Fully Passive, Temperature Stable Thin-film Design Maximizes Reliability**
- **Wavelength Grouping Permits DWDM Expansion via Thru Port**
- **Expands Today's Metro Links to Unlimited Capacity as Required**

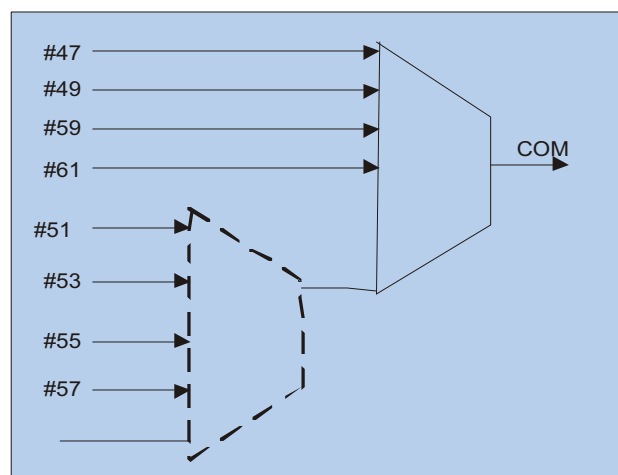
IPITEK's Basic Fiber Management tray (IP-FMT) serves as the shelf inside that can house a variety of optical passive devices to produce system solutions for customers who seek flexibility, simplicity and future expandability, based on ultra-reliable components. Each sealed module is simply placed inside the shelf. The kit supplies the matching bulkhead feed-through connectors and labeling for

external panel terminations to external equipment.

Should modules require interconnections, such as coupling a second 4 channel CWDM filter to a primary 4 channel CWDM filter, the connections are made internally, eliminating

IPITEK DWDMs are designed to facilitate a wide range of installation parameters and environmental conditions. Package options include rack mount, modular, and cassette designs. Custom DWDMs requiring specialized passbands, isolations, or channel spacing are available upon request.

Typical Application



SPECIFICATIONS

Channel Spacing	20 nm
Operating Wavelength Range	1470 -1610 nm
Center Wavelengths(nm)	1470, 1490, 1590, 1610
Passband @ 0.5 dB	± 6.5 minimum
Adjacent Channel Isolation	30 dB
Non-Adjacent Ch. Isolation	50 dB
Insertion Loss DMUX	2.0 dB Max.
Through Port	1.8 dB Max.
Ripple In Passband	0.5 dB Max.
Maximum Power	500 mW

Environmental	
Operating Temperature	-5 to +70 C
Storage Temperature:	-40 to 85°C
Humidity	Non-condensing

Packaging	
Fiber Type	SMF 28
Type	Cassette 120x80 mm
Connector Types:	
Common and Demux Ports	SC/APC
Through Port	SC/UPC

Qualification	Telcordia GR-1221 Compliant
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ORDERING INFORMATION

Order Number	IP-Description
IP-FMT-024-105	1 RU Metal Shelf for Passive Components, 19"
IP-CWDM-DMUX4YS47ZZ-VSZ	4 Channel CWDM Dmux, outer group
IP-CWDM-DMUX4NS51NA-VS3	4 Channel CWDM Dmux, inner group
IP-CIRL-R-S3	Fiber Optic Circulator, 3 port



2330 Faraday Avenue • Carlsbad • CA • 92008
(760) 438-1010 • Toll Free (888) 4-IPITEK (447-4835)

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FAX (760) 438-2412 • sales@ipitek.com • www.ipitek.com

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