

Introduction

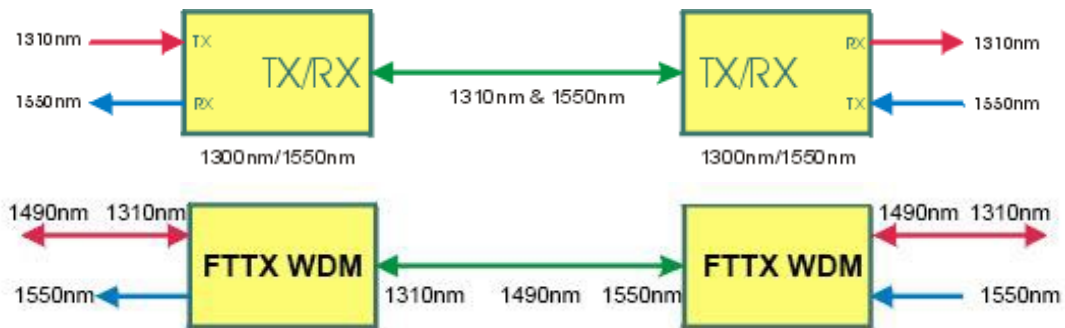
The new Fiberdyne Labs FHDW series WDM modules offer up to 144 ports to allow for up to 48 WDM circuits in a single 19 1U rack-mount package. The FHDW series modules allow operators to free up valuable rack space, vital with the increasing bandwidth requirements. Available with five different types of WDM's including standard WDM, high isolation WDM, wideband standard isolation WDM, wideband high isolation WDM, and FTTX WDM. Connector choice include either LC/UPC or LC/APC.



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Features:

- High Density 144 Port 19 1U Rack-mount Package, allows up to 48 WDM Circuits
- Available with LC/UPC or LC/APC Connector Ports
- High Density Package Frees Valuable Rack Space
- Available in 5 types of WDM Filters:
 - Premium,
 - Fused Biconic Taper High Isolation,
 - Fused Biconic Taper Wideband,
 - High Isolation Thin Film Filter Wideband,
 - Standard Isolation Thin Film Filter FTTX



Specifications:

WDM Filter Specifications						
Filter Technology		Fused Biconic Taper		Thin Film Filter (TFF)		
Filter Order Code		Premium	High Isolation	Wide Band High Isolation	Wide Band Standard Isolation	FTTX
		PA	HA	WH	WS	TF
Wavelength & Bandwidth	nm	1310/1550	1310/1550	1460-1620 P 1260-1360 R	1260-1360 P 1410-1620 R	1535-1620 P 1260-1500 R
Insertion Loss (without	Max. dB	0.4	0.8	< 1.0 P / < 1.0 R	< 0.6 P / < 0.4 R	< 0.6 P / < 0.4 R
Isolation	Min. dB	24	48	> 45 P / > 45 R	> 30 P / > 15 R	> 30 P / > 15 R
Wavelength Bandwidth	nm	+/- 10	+/- 15			
Polarization Dependent Loss	Max. dB	0.1	0.1	< 0.2	< 0.1	< 0.1
Directivity	Min. dB	60	60	> 55	> 55	> 50
Operating Temperature	°C	-40 To +85	-40 To +85	0 To +70	-20 To +70	-20 To +70
P=Pass Leg, R=Reflect Leg						

Ordering Information:

Part Number	Description	WDM Code	Module Type	Conn. Type
FHDW-PA48-L	Fiberdyne High Density 144 Port 19" Rack-mount WDM Module, (48) Premium, Fused Biconic Taper 1310/1550 WDM, LC/UPC	PA	High Density 144 Port 1U Rack-mount	LC/UPC
FHDW-PA48-N	Fiberdyne High Density 144 Port 19" Rack-mount WDM Module, (48) Premium, Fused Biconic Taper 1310/1550 WDM, LC/APC	PA	High Density 144 Port 1U Rack-mount	LC/APC
FHDW-HA48-L	Fiberdyne High Density 144 Port 19" Rack-mount WDM Module, (48) High Isolation, Fused Biconic Taper 1310/1550 WDM, LC/UPC	HA	High Density 144 Port 1U Rack-mount	LC/UPC
FHDW-HA48-N	Fiberdyne High Density 144 Port 19" Rack-mount WDM Module, (48) High Isolation, Fused Biconic Taper 1310/1550 WDM, LC/APC	HA	High Density 144 Port 1U Rack-mount	LC/APC
FHDW-WH48-L	Fiberdyne High Density 144 Port 19" Rack-mount WDM Module, (48) Wideband, High Isolation Filter 1310/1550 WDM, LC/UPC	WH	High Density 144 Port 1U Rack-mount	LC/UPC
FHDW-WH48-N	Fiberdyne High Density 144 Port 19" Rack-mount WDM Module, (48) Wideband, High Isolation Filter 1310/1550 WDM, LC/APC	WH	High Density 144 Port 1U Rack-mount	LC/APC
FHDW-WS48-L	Fiberdyne High Density 144 Port 19" Rack-mount WDM Module, (48) Wideband, Standard Isolation Filter 1310/1550 WDM, LC/UPC	WS	High Density 144 Port 1U Rack-mount	LC/UPC
FHDW-WS48-N	Fiberdyne High Density 144 Port 19" Rack-mount WDM Module, (48) Wideband, Standard Isolation Filter 1310/1550 WDM, LC/APC	WS	High Density 144 Port 1U Rack-mount	LC/APC
FHDW-TF48-L	Fiberdyne High Density 144 Port 19" Rack-mount WDM Module, (48) FTTX 1310+1490/1550 WDM, LC/UPC	TF	High Density 144 Port 1U Rack-mount	LC/UPC
FHDW-TF48-N	Fiberdyne High Density 144 Port 19" Rack-mount WDM Module, (48) FTTX 1310+1490/1550 WDM, LC/APC	TF	High Density 144 Port 1U Rack-mount	LC/APC