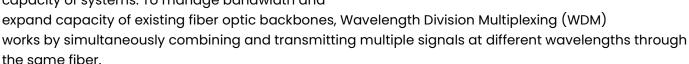


MODULAR MUX

1. GENERAL DESCRIPTION

Multiplexer products combine multiple data signals into one signal for transport over one fiber. De-multiplexers separate the signal at the other end. Wavelength division multiplexing (WDM) greatly increases capacity of systems. To manage bandwidth and expand capacity of existing fiber optic backbone.



A key advantage of WDM is its protocol and bit-rate independency. WDM-based networks can transmit data in IP, ATM, SONET/SDH, and Ethernet. It can handle bitrates between 100 Mbps and 40 Gbps. Therefore, WDM-based networks can carry different types of traffic at different speeds. It creates a less costly method for quick response to customers' bandwidth demands and protocol changes. The Modular Mux with 4 slots gives flexibility to deploy either coarse or dense wavelength division multiplexing (CWDM/DWDM) modules, OADM or MPO Fan out. The device is passive when it comes to electricity and measures as IRU 19" devices. It has 4 trenches on the backplane for connectivity.

Custom versions are available upon request.

2. AVAILABLE DEFAULT VERSIONS

PARTNAME DESCRIPTION

SO-CHASSIS-MOD4

(*picturel general descript.)

SO-MOD4-CWDM-MUX-8CH+UPG+MON

SO-MOD4-DWDM-MUX-CH28-35+UPG+1310W+MON

SO-MOD4-3XMPO/SMF-24XLC SO-MOD4-3XMPO/MMF-24XLC Modular 19"Chassis with 4 slots, 1RU

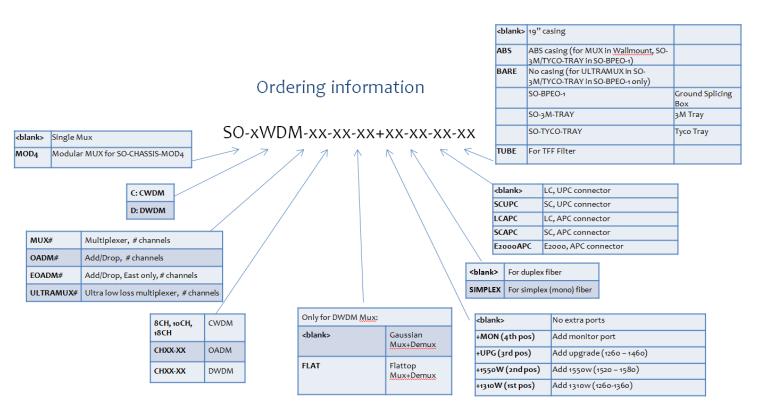
Mux Module; 8CH CWDM, Mux/Demux, 1470-1610nm (+/-6.5nm), Duplex, + UPG (1260-1458nm), + MON (Monitor Port), LC/UPC connectors, to be used in SO-CHASSIS-MOD4

Mux Module; 8CH DWDM, Mux/Demux, CH28-35 (100GHz ITU Grid C-Band), Duplex, + UPG (1500-1620nm), +1310W (Wide for 1/10/40/100G), + MON (Monitor Port), LC/UPC connectors, to be used in SO-CHASSIS-MOD4

MOD4 3 x MPO/SMF or MMF to 24 x LC - Breakout Module (to be used with SO-CHASSIS-MOD4)



3. CUSTOM VERSIONS



4. PRODUCT SPECIFICATIONS & FEATURES MOD 4 CHASSIS

- Compatible with Technique: CWDM & DWDM,
 OADM, MPO FAN-OUT
- ✓ Passive; no electricity needed
- ✓ Max. Channels per module 13CH / LC

- ✓ Custom made modules on request
- 4 Module Slots
- 4 Trenches in the backplane for connectivity

5. PRODUCT SPECIFICATIONS & FEATURES 3x MPO to 24x LC Break-out

Parameters	SM		MM		Unit
Operating wavelength	1260-1620		850/1300±40		nm
Insertion Loss max.	MPO	LC	MPO	LC	-
	0.35	0.2	0.35	0.2	dB
Return Loss min.	60	50	60	50	dB
Operating Temperature	-10~+75				°C
Storage Temperature	-40~+85				°C
Fiber Type	G652D,900um		OM3,900um		-
Output adapter	MPO and LC duplex				-
Package size	L152xW190xH21.5				mm

6. WARNING & SYMBOLS

CE

Solid Optics EN N.V. has tested the equipment based on European legislation and it is safe, doesn't intervene with other electronic devices and that it is not affected by interference from other Electronic devices.



Hazardous Goods; Our equipment complies with Directive 2011/65/EU (RoHS II) and 2002/95 EC (RoHS I)



Only (dis)connect the equipment in a EPA (ESD Protected Area) while using only certified equipment and taking all necessary precautions as detailed in this chapter.

7. DISCLAIMER & COPYRIGHT

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