MPO CASSETTE MODULES

MPO Cassette Module with 2 sizes in option. Preloaded with 12- or 24-Fiber MPO to LC hydra assemblies and LC adapters of customer specified fiber mode.

By integrating with Olabs' Plug-and-Play rackmount enclosure, this snap-in modularized MPO cassette offers seamless plug-and-play solution that improves cable manageability and supports quick installation.

KEY FEATURES :

▸ For integrating with Olabs Plug-and-Play Rackmount Enclosure

▸ Pre-loaded with MPO-Male to LC hydra assemblies and adapters on front and rear

▸ 12- or 24-Fiber count for options

▸ Installer friendly snap-in modular cassette design

▸ Reduce labour cost by eliminating field terminations

▸ Pre-installed with factory-terminated MPO to LC hydra assembly

Specifications

Main Material	Aluminum
Dimension	Size-A : 32mm x 120mm x 116mm
Height (H) x Width (W) x Depth (D)	Size-B : 32mm x 102mm x 116mm
Available Interface	MPO to LC
Fiber Count per Cassette	12-Fiber (preloaded with 1x12F MPO-Male assembly)
	24-Fiber (preloaded with 1x24F or 2x12F MPO-Male assembly)
Available Fiber Modes	Singlemode (OS 1/2)
	Multimode (OM1, OM2, OM3, OM4)
Color & Coating	Black Powder Coating
Compliance	RoHS, EIA/ECA-310
Preloaded Units	MPO-Male hydra assemblies
	LC Adapter (in the front)
	MPO Adapter (at the rear)
	Channel Label and Data Label (printed on front and rear)

Optical Performance

|		
MPO	Singlemode	IL ≤ 0.75dB, RL ≥ 50dB
	Multimode 50/125	IL ≤ 0.35dB, RL ≥ 25dB
LC	Singlemode	IL ≤ 0.30dB, RL ≥ 50dB
	Multimode 50/125	IL ≤ 0.30dB, RL ≥ 23dB

MPO CASSETTE MODULES

THE CASSETTE IS PRELOADED WITH MPO-MALE TO LC ASSEMBLIES, 3 FORMS OF MPO INTERFACE IS AVAILABLE FOR OPTIONS :
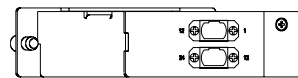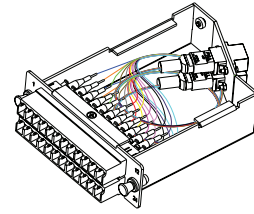
12-Fiber Cassette with 1x12F MPO interface
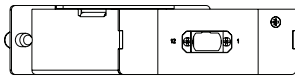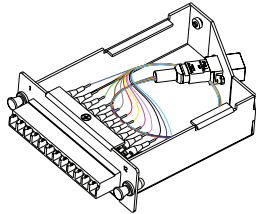
Preloaded with:
1x12F MPO-Male to 12xLC hydra Assembly
12-port of LC Adapters at front
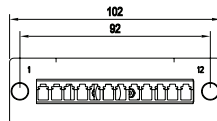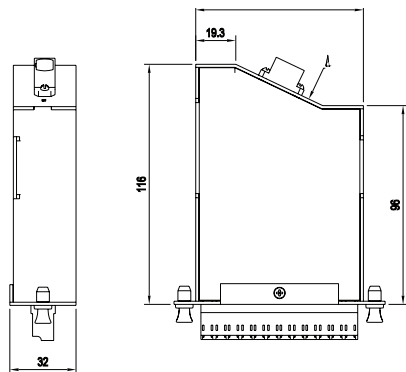1pc of MPO Adapter at rear

24-Fiber Cassette with 1x24F MPO interface
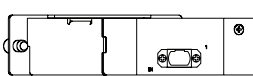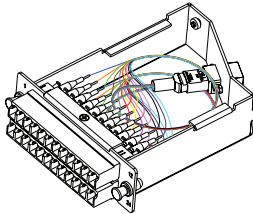
Preloaded with:
1x24F MPO-Male to 24xLC hydra Assembly
24-port of LC Adapter at front
1pc of MPO Adapters at rear

24-Fiber Cassette with 2x12F MPO interface

Preloaded with:
2pcs of 1x12F MPO-Male to 12xLC hydra Assembly
24-port of LC Adapter at front
2pcs of MPO Adapters at rear

SIZE-A CASSETTE

32(H) x 120(W) x 116(D) mm, this cassette is designed to fit into 3-slot Drawer (M3A-Drawer[1], or to fit into 12-slot 4U Fixed Type-A PPM enclosure[2].

[1] M3A-Drawer refers to Page 81
[2] 12-slot 4U Fixed Type-A PPM enclosure refers to Page 82

12-Fiber Cassette with 1x12F MPO interface

Item Description				Part No.
Fiber Count	Fiber Mode	Adapter Color on Front Panel	No. of MPO Adapter at the Rear	
12	OS1/OS2	Blue	1 (1 x 12F MPO)	PMA1SUD
12	OM1	Beige	1 (1 x 12F MPO)	PMA1M1D
12	OM2	Beige	1 (1 x 12F MPO)	PMA1M2D
12	OM3	Aqua	1 (1 x 12F MPO)	PMA1M3D
12	OM4	Aqua	1 (1 x 12F MPO)	PMA1M4D

CASSETTE FRONT

OS1/OS2   OM1, OM2   OM3, OM4

CASSETTE REAR
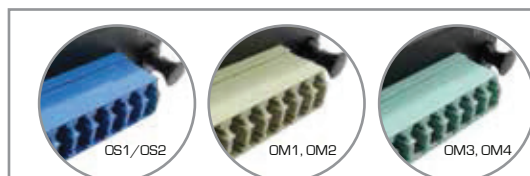
1pc of MPO Adatper at cassette rear

MPO CASSETTE MODULES

24-Fiber Cassette with 1x24F MPO interface
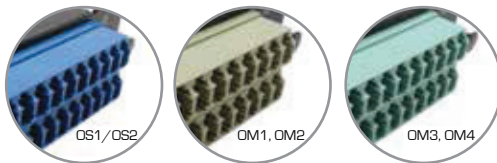
Item Description				Part No.
Fiber Count	Fiber Mode	Adapter Color on Front Panel	No. of MPO Adapter at the Rear	
24	OS1/OS2	Blue	1 (1 x 24F MPO)	PMA2SUD
24	OM1	Beige	1 (1 x 24F MPO)	PMA2M1D
24	OM2	Beige	1 (1 x 24F MPO)	PMA2M2D
24	OM3	Aqua	1 (1 x 24F MPO)	PMA2M3D
24	OM4	Aqua	1 (1 x 24F MPO)	PMA2M4D

CASSETTE FRONT
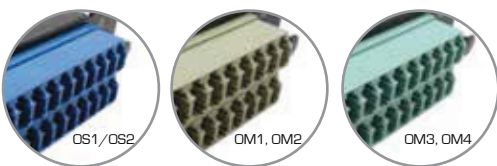
OS1/OS2   OM1, OM2   OM3, OM4

CASSETTE REAR

1pc of MPO Adapter at cassette rear

24-Fiber Cassette with 2x12F MPO interface

Item Description				Part No.
Fiber Count	Fiber Mode	Adapter Color on Front Panel	No. of MPO Adapter at the Rear	
24	OS1/OS2	Blue	2 (2 x 12F MPO)	PMA3SUD
24	OM1	Beige	2 (2 x 12F MPO)	PMA3M1D
24	OM2	Beige	2 (2 x 12F MPO)	PMA3M2D
24	OM3	Aqua	2 (2 x 12F MPO)	PMA3M3D
24	OM4	Aqua	2 (2 x 12F MPO)	PMA3M4D

CASSETTE FRONT

OS1/OS2   OM1, OM2   OM3, OM4

CASSETTE REAR

2pcs of MPO Adatpers at cassette rear

SIZE-B CASSETTE
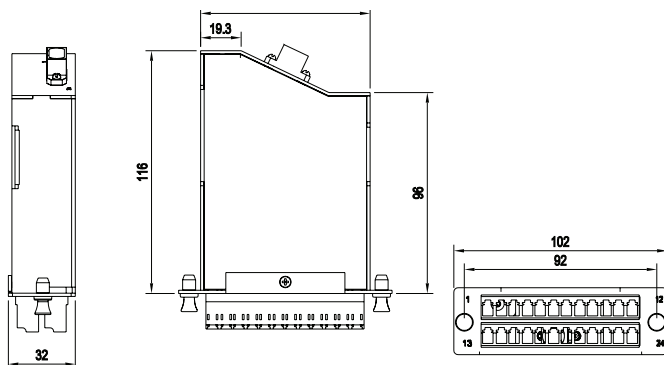
32(H) x 102(W) x 116(D) mm, this cassette is designed to fit into 4-slot Drawer (M4B-Drawer)[1], or to fit into 12-slot 4U Fixed Type-B PPM enclosure[2].

[1] M4B-Drawer refers to Page 81
[2] 12-slot 4U Fixed Type-B PPM enclosure refers to Page 82

MPO CASSETTE MODULES

SIZE-B CASSETTE

12-Fiber Cassette with 1x12F MPO interface

Item Description				Part No.
Fiber Count	Fiber Mode	Adapter Color on Front Panel	No. of MPO Adapter at the Rear	
12	OS1/OS2	Blue	1 (1 x 12F MPO)	PMB1SUD
12	OM1	Beige	1 (1 x 12F MPO)	PMB1M1D
12	OM2	Beige	1 (1 x 12F MPO)	PMB1M2D
12	OM3	Aqua	1 (1 x 12F MPO)	PMB1M3D
12	OM4	Aqua	1 (1 x 12F MPO)	PMB1M4D

CASSETTE FRONT
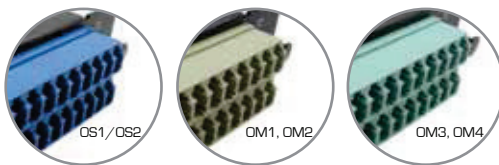
OS1/OS2   OM1, OM2   OM3, OM4

CASSETTE REAR

1pc of MPO
Adatper at cassette rear

24-Fiber Cassette with 1x24F MPO interface

Item Description				Part No.
Fiber Count	Fiber Mode	Adapter Color on Front Panel	No. of MPO Adapter at the Rear	
24	OS1/OS2	Blue	1 (1 x 24F MPO)	PMB2SUD
24	OM1	Beige	1 (1 x 24F MPO)	PMB2M1D
24	OM2	Beige	1 (1 x 24F MPO)	PMB2M2D
24	OM3	Aqua	1 (1 x 24F MPO)	PMB2M3D
24	OM4	Aqua	1 (1 x 24F MPO)	PMB2M4D

CASSETTE FRONT
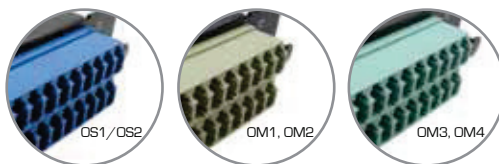
OS1/OS2   OM1, OM2   OM3, OM4

CASSETTE REAR

1pc of MPO
Adatper at cassette rear

24-Fiber Cassette with 2x12F MPO interface

Item Description				Part No.
Fiber Count	Fiber Mode	Adapter Color on Front Panel	No. of MPO Adapter at the Rear	
24	OS1/OS2	Blue	2 (2 x 12F MPO)	PMB3SUD
24	OM1	Beige	2 (2 x 12F MPO)	PMB3M1D
24	OM2	Beige	2 (2 x 12F MPO)	PMB3M2D
24	OM3	Aqua	2 (2 x 12F MPO)	PMB3M3D
24	OM4	Aqua	2 (2 x 12F MPO)	PMB3M4D

CASSETTE FRONT

OS1/OS2   OM1, OM2   OM3, OM4

CASSETTE REAR

2pcs of MPO
Adatpers at cassette rear