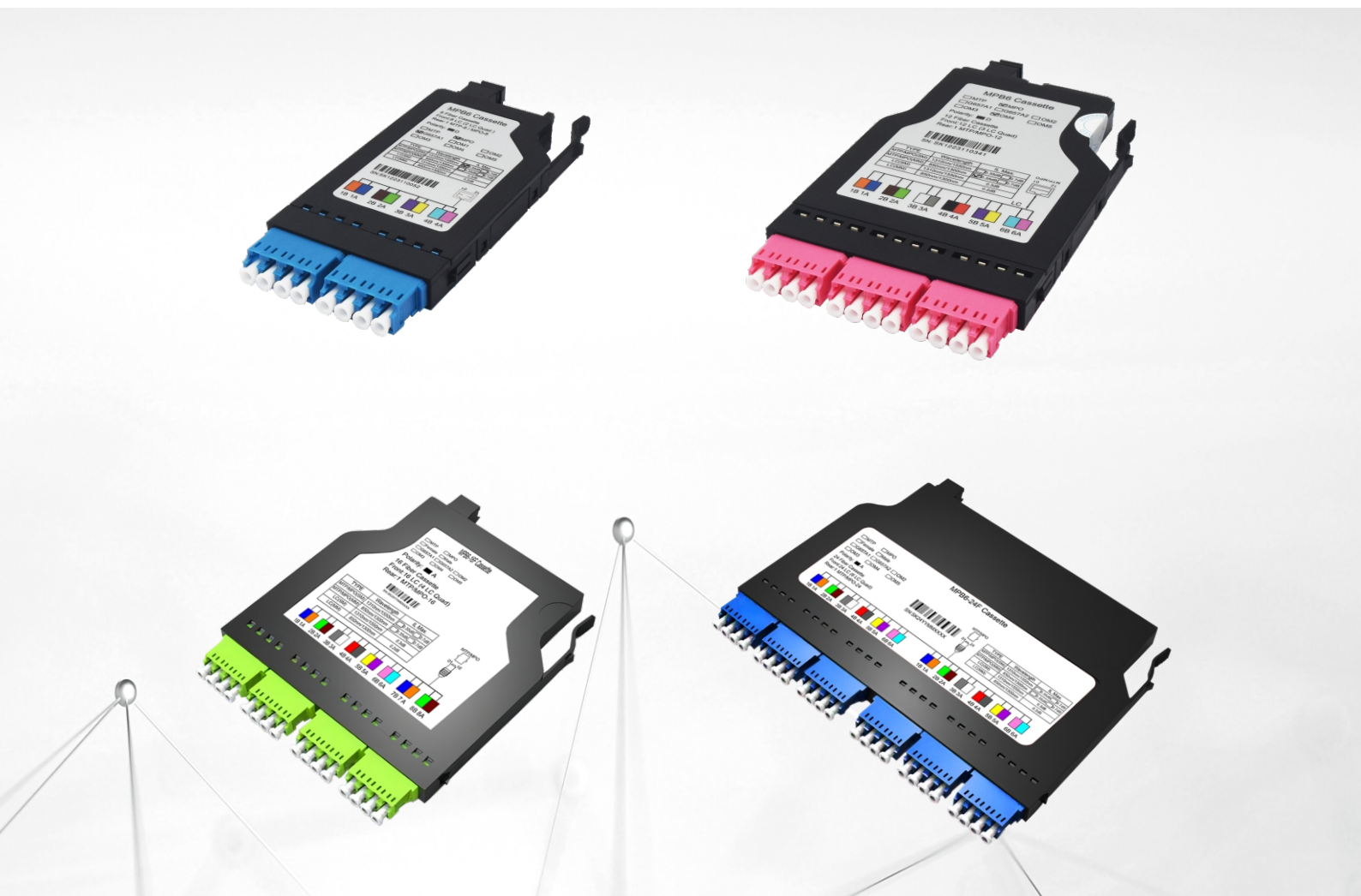




MPB6 8/12/16/24 Cassette Datasheet

Pre-terminated Modular Cassette System



- High-density fiber optic cabling
- 100G upgrade to 400G/800G
- Supports up to 1U-216F

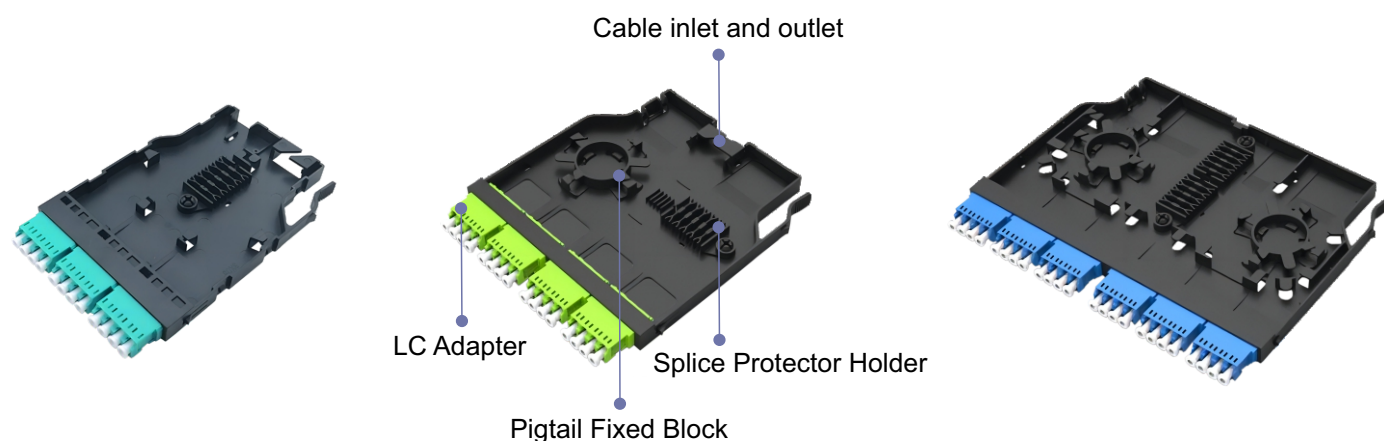
MPB6 Cassettes(MPO-LC/CS/SC)

Product Constructions	
Fiber Count	8 Fibers/12 Fibers/16 Fibers/24 Fibers
Fiber Mode	Single Mode:G657A1,G657A2
	Multimode:OM3,OM4,OM5
Polarity Type	8 Fibers:Type B
	12 Fibers/16 Fibers/24 Fibers:Type A
Front Connector	Single Mode:LC/CS Duplex UPC/APC(UPC:Blue/APC:Green) MPO/MTP PC/APC Male
	Multimode:LC/CS Duplex UPC(OM3:Aqua/OM4:Violet/OM5:Lime Green) MPO/MTP PC Male
Rear Connector	Single Mode:MPO/MTP APC/PC Male
	Multimode:MPO/MTP PC Male
Material	Plastic
Dimensions (WxDxH) No Adapter	8 Fibers Cassettes:60mm×105mm×11.4mm
	12 Fibers Cassettes:90mm×130mm×11.4mm
	16 Fibers Cassettes:127.5mm×130mm×11.4mm
	24 Fibers Cassettes :187.5mm×130mm×11.4mm

Performance Properties	
Front Connector Insertion Loss	SM:UPC≤0.3dB;APC≤0.3dB
	MM:UPC≤0.2dB
Front Connector Return Loss	SM:UPC≥50dB,APC≥60dB;MM:UPC≥35dB
Rear Connector Insertion Loss	MPO(SM:APC≤0.35dB;MM:PC≤0.35dB)
	MTP(SM:APC≤0.35dB;MM:PC≤0.35dB)
Rear Connector Return Loss	MPO(SM:APC≥60dB,PC≥50dB;MM:PC≥25dB)
	MTP(SM:APC≥60dB;MM:PC≥35dB);

Note:SM:Single Mode,MM:Multimode

MPB6S Cassettes(Splicing)



Splice Protector Holder Selection



Heat Shrinkable
Splice Protector Holder



Crimping
Splice Protector Holder

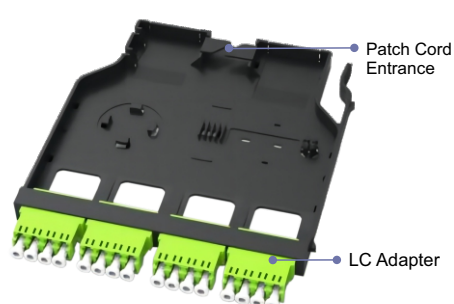
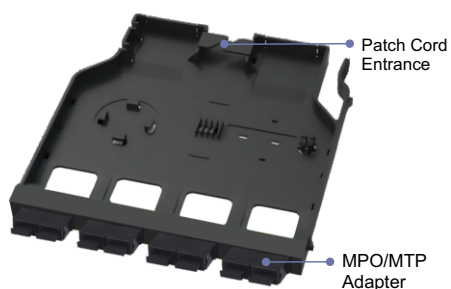
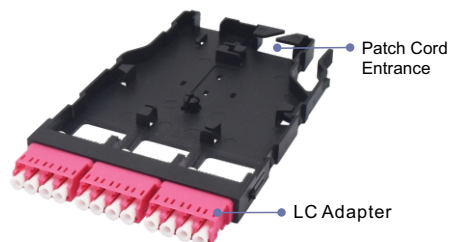
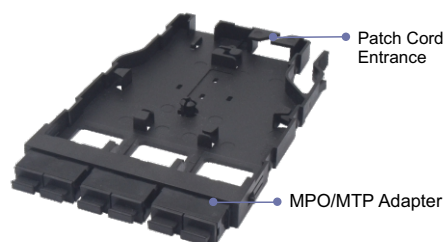
Cassettes includes pigtail

Product Constructions	
Fiber Count	12 Fibers/16 Fibers/24 Fibers
Fiber Mode	Single Mode:G657A1,G657A2
	Multimode:OM3,OM4,OM5
Material	Plastic
Front Connector	Single Mode:LC/SC Duplex UPC/APC(UPC:Blue/APC:Green)
	Multimode:LC/SC Duplex UPC(OM3:Aqua/OM4:Violet/OM5:Lime Green)
Dimensions (WxDxH) No Adapter	12 Fibers Cassettes:90mm×130mm×11.4mm
	16 Fibers Cassettes:127.5mm×130mm×11.4mm
	24 Fibers Cassettes :187.5mm×130mm×11.4mm

Performance Properties	
Front Connector Insertion Loss	SM:UPC≤0.3dB;APC≤0.3dB
	MM:UPC≤0.2dB
Front Connector Return Loss	SM:UPC≥50dB,APC≥60dB;MM:UPC≥35dB

Note:SM:Single Mode,MM:Multimode

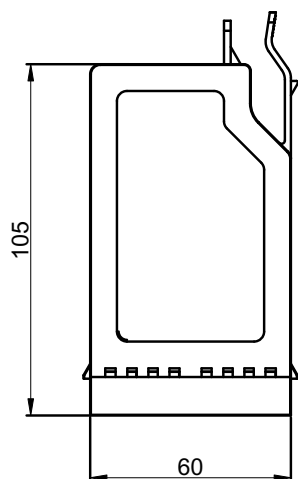
MPB6P Cassettes(Panel)



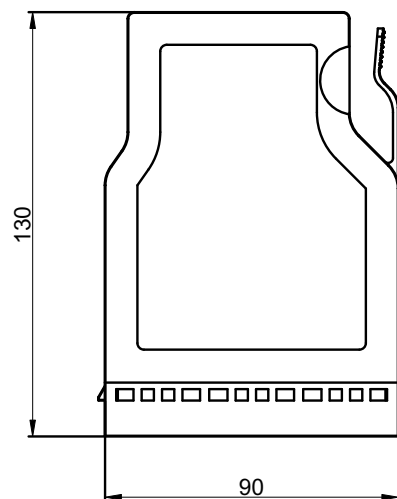
Product Constructions

Material	Plastic
Front Adapter	LC/SC Duplex MPO/MTP Duplex
Dimensions (WxDxH) No Adapter	8 Fibers Cassettes:60mm×105mm×11.4mm
	12 Fibers Cassettes : 90mm×130mm×11.4mm
	16 Fibers Cassettes : 127.5mm×130mm×11.4mm

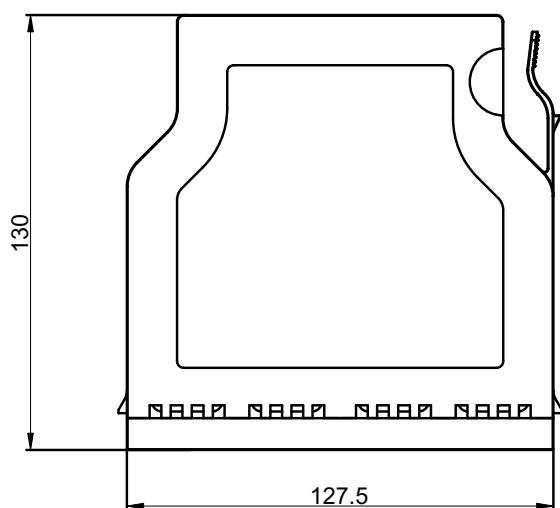
Cassettes 2D View



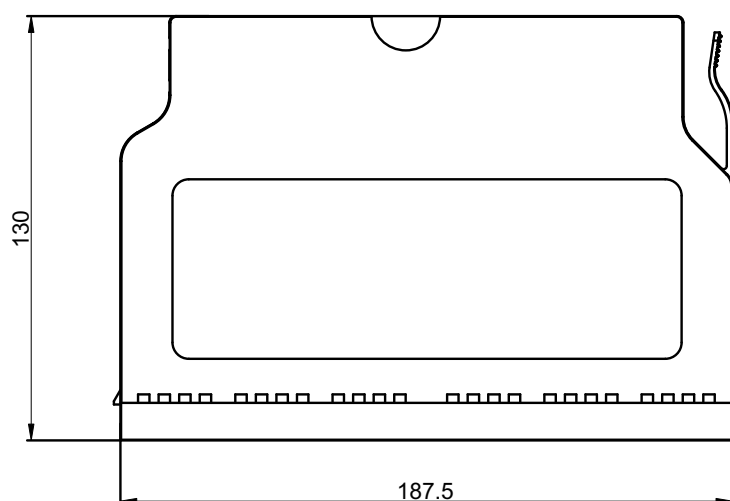
8 Fibers LC/12 Fibers CS



12 Fibers



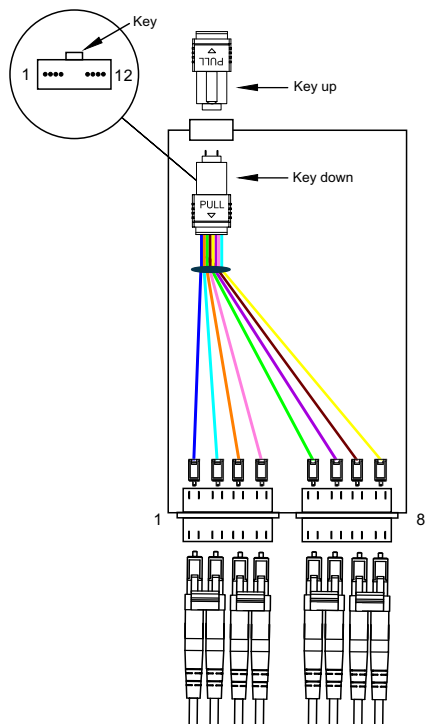
16 Fibers



24 Fibers

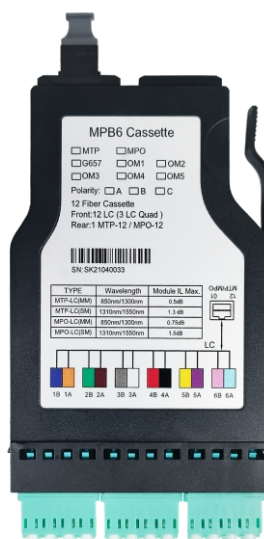
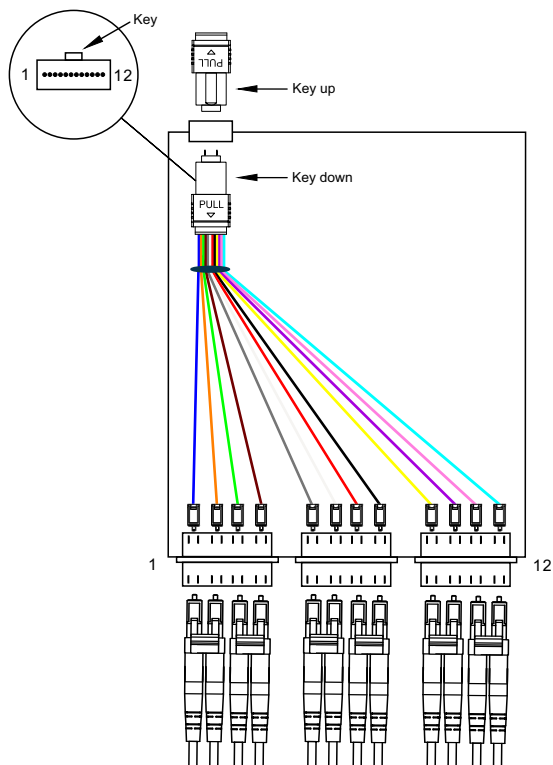
Polarity Illustration

8 Cassette, Type B



MPO	1	12	2	11	3	10	4	9
LC	1	2	3	4	5	6	7	8

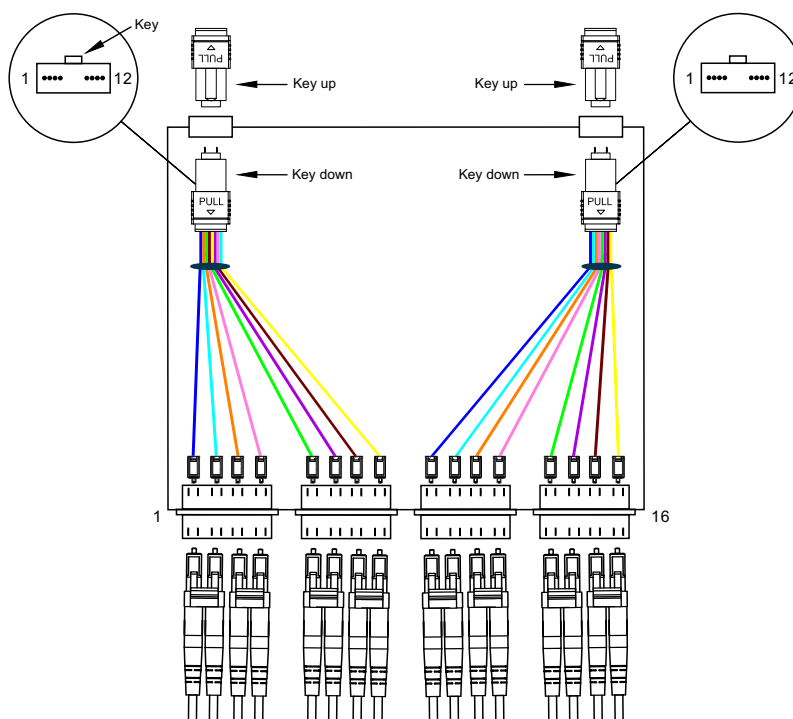
12 Cassette, Type A



MPO	1	2	3	4	5	6	7	8	9	10	11	12
LC	1	2	3	4	5	6	7	8	9	10	11	12

Polarity Illustration

16 Cassette, Type B

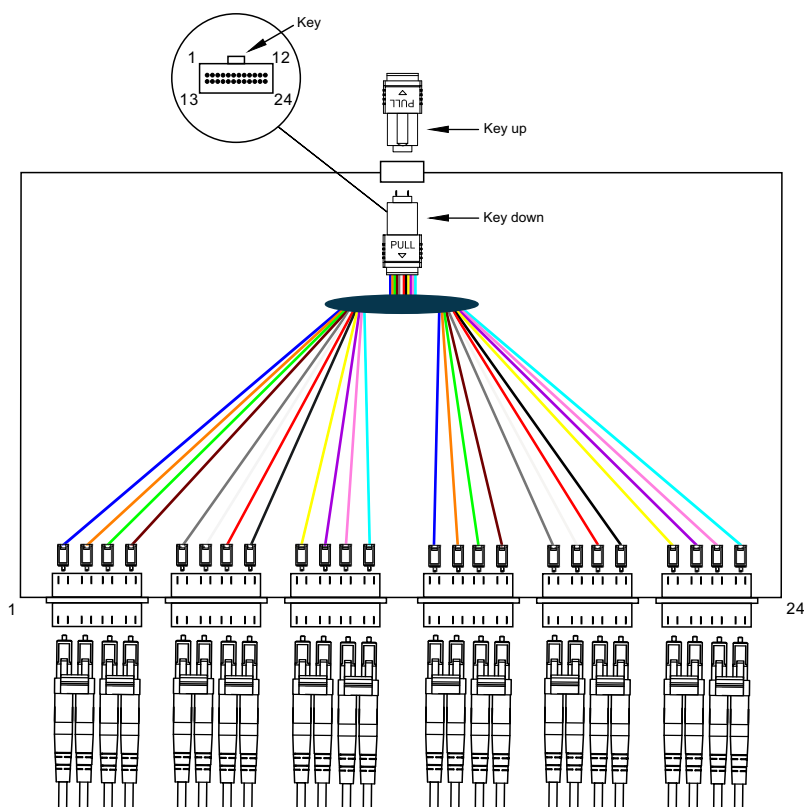


A-MPO	1	12	2	11	3	10	4	9
LC	1	2	3	4	5	6	7	8

B-MPO	1	12	2	11	3	10	4	9
LC	9	10	11	12	13	14	15	16

Polarity Illustration

24 Cassette, Type A



MPO-Top	1	2	3	4	5	6	7	8	9	10	11	12
LC	1	2	3	4	5	6	7	8	9	10	11	12
MPO-Bottom	13	14	15	16	17	18	19	20	21	22	23	24
LC	13	14	15	16	17	18	19	20	21	22	23	24

Ordering Information



MPB6 Cassettes

$\frac{\text{MPB6_12F-AP-P-Black-1}\times\text{12-MPO/PC-LC/UPC-OM4}}{1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8}$	
1-Model	MPB6_8F/12F/16F/24F
2-Configuration	EM:Empty; AD:Adapter Included; AP:Fully Equipped
3-Material	P:Plastic
4-Color	Black
5-Cassettes Patch Cord	1×8;1×12;1×16;1×24;2x12:Fiber Count
6-Rear Connector	MPO/PC;MPO/APC;MTP/PC;MTP/APC
7-Front Connector	LC/PC;LC/APC;SC/PC;SC/APC;CS/PC;CS/APC
8-Fiber Mode	G657A1;OM3;OM4;OM5
Note: The front end uses CS adapter and the module box uses MPB6_8F.	



MPB6P Cassettes

$\frac{\text{MPB6P_12F-AD-P-Black-3MPO}}{1 \quad 2 \quad 3 \quad 4 \quad 5}$	
1-Model	MPB6P_8F,MPB6P_12F,MPB6P_16F
2-Configuration	EM:Empty; AD:Adapter Included
3-Material	P:Plastic
4-Color	Black
5-Adapter Type	2MPO,3MPO,4MTP,2SLD,3SLD,4SLD
Note: 1.LC adapter: straight four-pin short lug; MPO/MTP adapter: SC type short lug flange, with one end of the key facing up and the other end facing down. 2. There are 3/4 square holes at the bottom of the panel.	

Ordering Information



MPB6S Cassettes

$\frac{\text{MPB6S_12F}}{1} - \frac{\text{AP}}{2} - \frac{\text{P}}{3} - \frac{\text{Black}}{4} - \frac{1 \times 12}{5} - \frac{\text{LC/UPC}}{6} - \frac{\text{OM4}}{7}$	
1-Model	MPB6S_12F, MPB6S_16F, MPB6S_24F
2-Configuration	EM:Empty; AD:Adapter Included; AP:Fully Equipped
3-Material	P:Plastic
4-Color	Black
5-Cassettes Patch Cord	1 × 12; 1 × 16; 1 × 24; 2x12:Fiber Count
6-Front Connector	LC/PC; LC/APC; SC/PC; SC/APC
7-Fiber Mode	G657A1; OM3; OM4; OM5
Note: 1.LC adapter: straight four-pin short lug; MPO/MTP adapter: SC type short lug flange, with one end of the key facing up and the other end facing down. 2. There are 3/4/6 square holes at the bottom of the panel.	