

## MTP®/MPO-8 Cassettes

SMP™ Series, Male MTP®/MPO-8 to LC Shuttered Pre-term.



### Description

SMP™ Cassettes provide an interface between 8 fibers MTP®/MPO connectors and LC Duplex connectors. These Cassettes breakout out 8 fibers MPO terminations from the rear into 4x LC Duplex connectivity at the front. Widely applied in data center, between patch panel and interchanger, provide with cabling or optical fiber management to the equipment.

### Features

- Up to 18 Cassettes enable 144 fibers per 1U
- Applied Ultra HD Patch Panel SMP™ Series
- Insertion and removal of drawer and modules with one hand
- The Push-Lock & Release design makes easy to install and uninstall.
- Single-handed handling of drawers and Cassettes
- Shuttered Adaptors of LC & MTP®/MPO
- ISO/IEC 11801, ANSI/TIA-568-C.3, TIA-604-5(FOCIS-5), TIA-604-10 (FOCIS-10), RoHS Compliant

### Applications

- Telecommunication network
- Data communication network
- Enterprise network
- Intrabuilding backbone
- Artificial intelligence (AI)
- Cloud computing
- High performance computing (HPC)
- TOR & Server interconnect
- Applied MTP®/MPO Base-8
- Connecting directly into  
40GBASE-SR4, 100GBASE-SR4,  
200GBASE-SR4, 400GBASE-DR4,  
400GBASE-FR4

## MTP®/MPO-8 Cassettes

SMP™ Series, Male MTP®/MPO-8 to LC Shuttered Pre-term.

### Construction

| Parameter        |          | Value                                           |
|------------------|----------|-------------------------------------------------|
| Applied for      |          | SMP™ Series, Ultra HD Patch Panel               |
| Dimension(WxDxH) |          | 63.9 X 163.9 X 12.7mm                           |
| Material         |          | Engineering Plastic                             |
| Color            |          | Black (RAL9005)                                 |
| Adaptor          |          | Front: LC Shuttered<br>Rear: MTP®/MPO Shuttered |
| Adaptor Color    | LC       | Aqua (OM3)                                      |
|                  |          | Heather Violet (OM4)                            |
|                  |          | Lime Green (OM5)                                |
|                  |          | Blue (SM/OS2)                                   |
|                  | MTP®/MPO | Black                                           |
| Harness          |          | Male MTP®/MPO-8 to LC Preterm.                  |

### Optical properties

| Parameter                          |                                |             | Value                                       |
|------------------------------------|--------------------------------|-------------|---------------------------------------------|
| MTP®/MPO<br>Optical<br>Performance | Insertion Loss<br>IEC61300-3-4 | Single mode | ≤ 0.35dB(Low-Loss)                          |
|                                    |                                | Multimode   | ≤ 0.35dB(Low-Loss)                          |
|                                    | Return Loss<br>IEC61300-3-6    | Single mode | ≥ 60dB(APC)                                 |
|                                    |                                | Multimode   | ≥ 25dB(UPC)                                 |
| LC<br>Optical<br>Performance       | Insertion Loss<br>IEC61300-3-4 | Single mode | ≤ 0.20dB                                    |
|                                    |                                | Multimode   | ≤ 0.20dB                                    |
|                                    | Return Loss<br>IEC61300-3-6    | Single mode | ≥ 50dB(UPC)                                 |
|                                    |                                | Multimode   | ≥ 25dB(UPC)                                 |
| Cable<br>Attenuation               | Single mode / OS2              |             | ≤ 1.0dB/km at 1310/1550nm                   |
|                                    | Multimode / OM3, OM4, OM5      |             | ≤ 3.0dB/km at 850nm<br>≤ 1.0dB/km at 1300nm |

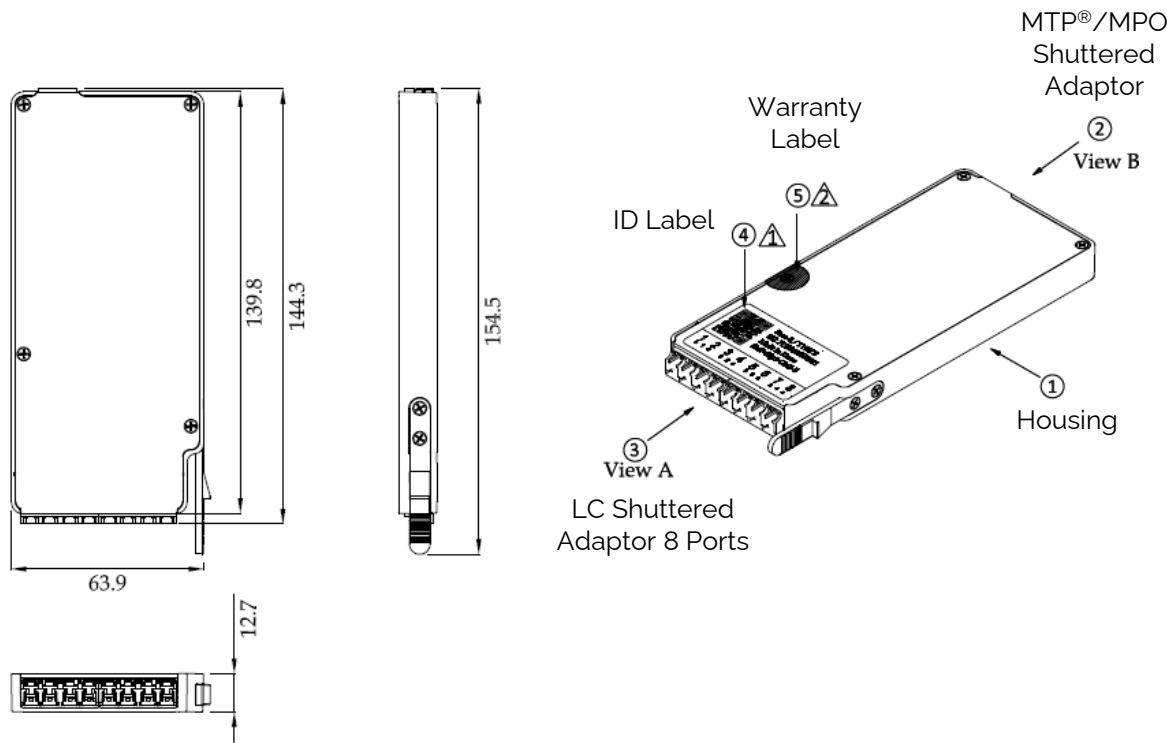
MTP®/MPO-8 Cassettes

SMP™ Series, Male MTP®/MPO-8 to LC Shuttered Pre-term.

Environmental properties

| Parameter   |                    | Value        |
|-------------|--------------------|--------------|
| Temperature | Storage Temp.      | -40℃ to +70℃ |
|             | Installation Temp. | -10℃ to +60℃ |
|             | Operating Temp.    | -10℃ to +70℃ |

Drawing



## MTP®/MPO-8 Cassettes

SMP™ Series, Male MTP®/MPO-8 to LC Shuttered Pre-term.

### Ordering information

| Part number     | Description of Products                                                                            | Remark        |
|-----------------|----------------------------------------------------------------------------------------------------|---------------|
| SMP-S8TpS-OM3-X | MTP® Cassette, SMP™ Series, Base-8, Shuttered AD Male MTP®-8 to LC OM3 Pre-term., Type X, Low-Loss | MTP® Cassette |
| SMP-S8TpS-OM4-X | MTP® Cassette, SMP™ Series, Base-8, Shuttered AD Male MTP®-8 to LC OM4 Pre-term., Type X, Low-Loss |               |
| SMP-S8TpS-OM5-X | MTP® Cassette, SMP™ Series, Base-8, Shuttered AD Male MTP®-8 to LC OM5 Pre-term., Type X, Low-Loss |               |
| SMP-S8TpS-SM-X  | MTP® Cassette, SMP™ Series, Base-8, Shuttered AD Male MTP®-8 to LC SM Pre-term., Type X, Low-Loss  |               |
| SMP-S8pS-OM3-X  | MPO Cassette, SMP™ Series, Base-8, Shuttered AD Male MPO-8 to LC OM3 Pre-term., Type X, Low-Loss   | MPO Cassette  |
| SMP-S8pS-OM4-X  | MPO Cassette, SMP™ Series, Base-8, Shuttered AD Male MPO-8 to LC OM4 Pre-term., Type X, Low-Loss   |               |
| SMP-S8pS-OM5-X  | MPO Cassette, SMP™ Series, Base-8, Shuttered AD Male MPO-8 to LC OM5 Pre-term., Type X, Low-Loss   |               |
| SMP-S8pS-SM-X   | MPO Cassette, SMP™ Series, Base-8, Shuttered AD Male MPO-8 to LC SM Pre-term., Type X, Low-Loss    |               |

- X Polarity: A(Type A), AF(Type AF), B(Type B)