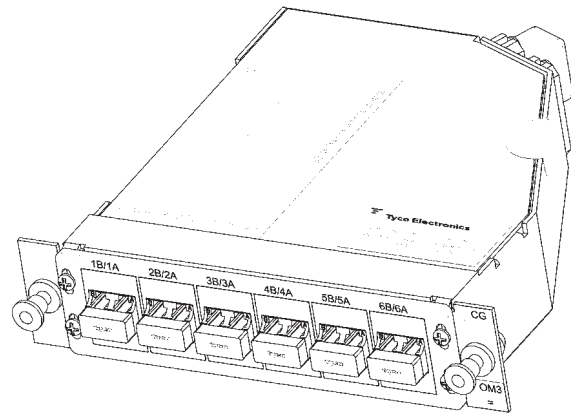
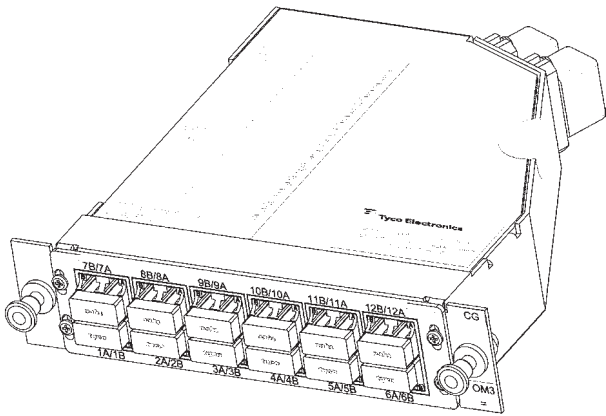


**MPOptimate cassettes**  
**Y-1920753-X / Y-1920698-X / Y-2055107-X**



**Description:**

AMP NETCONNECT MPOptimate cassettes are optimized for Datacenter Solutions supporting the topologies as specified in the datacenter standards EN50173-5 and ISO/IEC 24764. You can put up to 6 cassettes in a channel of 300mt OM3 fiber and still meet the Insertion Loss and Return Loss specifications for datacenter applications like 10 Gigabit Ethernet, Fiber Channel or Infiniband. AMP NETCONNECT MPOptimate cassettes are used to terminate the MPO trunk cables and provide the possibility to make cross-connections or inter-connections to end equipment. MPOptimate cassettes exist in two connector styles: MPO/LC and MPO/SC both in straight and pair flipped versions.

**Specification (text in [brackets] requires a choice):**

MPOptimate cassettes with LC or SC connectors have optimized optical performances: a maximum Insertion Loss of 0.35dB per cassette and a minimum Return Loss of 27dB per cassette. These Insertion Loss and Return Loss values are obtained by applying a patent pending polishing method plus using high precision ceramic ferrules for the connectors, and high precision ceramic sleeves for the adaptors.

The MPOptimate cassettes are available in straight and pair flipped version to create links with the correct polarity.

Each MPOptimate cassette shall have a front plate with either LC duplex or SC duplex adaptors that allows the labeling of the ports. The back plate of the cassette shall have for a 12 fiber version one MPO connection, for a 24 fiber version two MPO connections.

The MPOptimate cassettes shall have the same footprint and fixation method (push pins) as the standard MPO cassettes or snap-in modules. This means that they can also be used in the same hardware panels as the standard MPO cassettes.

**Part Numbers:**

Description	Part Number
1xMPO - 12xLC duplex - OM3 straight wiring	0-1920753-1
1xMPO - 12xLC duplex - OM3 pair flipped wiring	1-1920753-1
2xMPO - 24xLC duplex - OM3 straight wiring	0-1920698-1
2xMPO - 24xLC duplex - OM3 pair flipped wiring	1-1920698-1
1xMPO - 6xSC duplex - OM3 straight wiring	0-2055107-1
1xMPO - 6xSC duplex - OM3 straight wiring	1-2055107-1

## Technical Details:

<b>Bandwidth fiber:</b>	Multimode OM3 XG laser optimised $\geq 2000\text{MHz}\times\text{Km}$ @850nm
<b>Connector-Type:</b>	High connectivity MPO 12 fiber High connectivity SC and LC Duplex Multimode OM3 aqua
<b>Connector interface:</b>	SC, LC and MPO: IEC61754-4.20 and IEC 61754-7
<b>Connector End face:</b>	MPO: EN50377-15-1 SC and LC: IEC61755-3-1
<b>Polishing Quality:</b>	Polished end-face quality IEC61300-3-35
<b>Insertion Loss:</b>	Cassette Insertion Loss $\leq 0.35\text{dB}$
<b>Return Loss:</b>	Cassette Return Loss $\geq 27\text{dB}$
<b>Packaging:</b>	Individually packed
<b>Installation Options:</b>	High Density, up to 72 fiberports on 1U (1HE) panels

Specifications subject to change without notice.

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