

MTP/MPO Cassette Modules

V.3.4



Description

MTP/MPO Cassette Modules provide secure transition between MTP/MPO and LC or SC discrete connectors. They are used to interconnect MTP/MPO backbones with LC or SC patching.

Modular system allows for rapid deployment of high density data centre infrastructure as well as improved troubleshooting and reconfiguration during moves, adds and changes. Cassettes can be mounted in 1U or 3U 19" multislotted chassis.

MTP/MPO Cassettes contain factory controlled and tested MTP/MPO-LC fanouts to deliver optical performance and reliability. Low loss MTP/MPO Elite and LC or SC Premium versions are offered featuring low insertion loss for demanding power budget high speed networks.

Features

- ▶ MTP/MPO standard compliant multifibre connector
- ▶ LC (SFF Data Centre standard), SC discrete interface
- ▶ OS1/2, OM3, OM4 fibre grades (OM1 and OM2 available)
- ▶ 12 and 24 fibre versions - 12 LC (Duplex) / SC (Simplex) optical parts
- ▶ Polarity A (standard), B or C
- ▶ Factory terminated and tested
- ▶ High performance zirconia sleeve adaptors

Benefits

- ▶ **Rapid Deployment**
Factory terminated modular system saves installation and reconfiguration time during moves, adds and changes.
- ▶ **MTP/MPO Interface**
MTP/MPOc components feature superior optical and mechanical properties.
- ▶ **Optimised Performance**
Low loss MTP/MPO Elite, discrete Premium connectors and OM4 fibre assures low insertion losses and power penalties in tight power budget high speed network environment.
- ▶ **High Density**
12 or 24 fibre cassettes can be mounted in 1U scaling up to 72 or in 3U scaling up to 336 discrete connectors.
- ▶ **Reliability**
100% Tested- combination of high quality components and manufacturing quality control guarantees product to the highest standards.

Application

- ▶ Data Centre Infrastructure
- ▶ Storage Area Network
- ▶ Fibre Channel

Standards Compliance

- ▶ TIA/EIA-568-C.3 and ISO/IEC 11801
- ▶ IEC-61754-7 & EIA/TIA-604-5
- ▶ Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC
- ▶ IEC-61754-20 & IEC-61754-14
- ▶ IEC-60793

Connector Performance

CONNECTOR MATING	IL AVERAGE	IL MAX	RETURN LOSS	CONNECTOR MATING	IL AVERAGE	IL MAX	RETURN LOSS
MTP Elite (MM)	0.10 dB	0.35 dB	NA	MTP Elite (SM)	0.10 dB	0.35 dB	>60dB
MTP (MM)	0.20 dB	0.60 dB	NA	MTP (SM)	0.25 dB	0.75 dB	>60dB
LC, SC Premium (MM)	0.08dB	0.15dB	NA	LC, SC Premium (SM)	0.12dB	0.15dB	>55/65dB*
LC, SC (MM)	0.15dB	0.30dB	NA	LC, SC (SM)	0.18dB	0.30dB	>55/65dB*

* UPC/APC

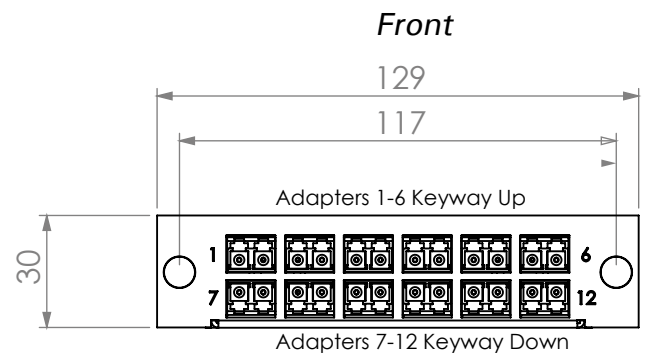
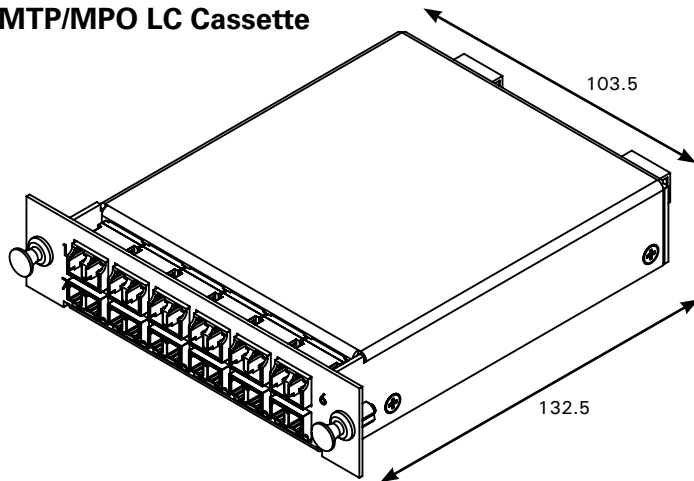
MTP/MPO Cassette Modules

Technical Specification

V.3.4

Element	Characteristic
Fibre	OS1/OS2, OM1, OM2, OM3, OM4 (ISO/IEC 60793)
Adaptors	MTP/MPO (IEC-61754 & EIA/TIA-604-5) Body Colour: Black Polarity: Keyway up- Keyway down Grey: Polarity B Keyway up- Keyway up LC Duplex (IEC 61754-20) Body Colour: Beige (MM) (OM1,OM2), Aqua (MM) (OM3), Erica Violet (OM4), Blue (SM/UPC), Green (SM/APC) (Sleeve Material: Zirconia)
Connectors	MTP/MPO US Conec (IEC-61754-7 & EIA/TIA-604-5) Boot Colour: Black Body Sleeve Colour: MM (Beige), MM Elite (Aqua), SM (Green), SM Elite (Yellow) LC (IEC 61754-20) Boot Colour: White (MM and SM/UPC), Green (SM/APC) Body Colour: Beige (MM), Blue (SM), Green (SM/APC)
Cassette Material	Colled rolled steel 1.2mm thickness with a black powder coat finish (Colour: RAL9004)
Operating Temperature	-20 ~ +60°C
Storage Temperature	-40 ~ +70°C
Packaging Dimensions	150mm x 50mm x 215mm
Weight	0.55kg

MTP/MPO LC Cassette



All dimensions in mm