

FHX MTP®-8/12 Cassettes Datasheet

HIGH DENSITY

Pre-terminated Modular Cassette System



Description

FHX series MTP® fiber cassette modules offer 8/12-fiber MTP® adapter on the rear of the units routed to duplex LC shuttered adapters on the front patch field, which interconnect with high density fiber cable assemblies for multiple applications.



Features

- High-density Modular Design, up to 96 Fibers (LC) in 1U for Efficient Utilization.
- Internal Shutters Speed Deployment and Ensure Safer Link.
- Rear-loading Capability Decreases Time to Install Cassettes.
- 0.35dB Low Insertion Loss Allows for Longer Link Distances
- The Corning Fiber Compliant to Telcordia, EIA/TIA and IEC Standards.

I. Product Constructions

Fiber Count	8 Fibers/12 Fibers
Fiber Mode	Multimode: OM4 50/125µm Single Mode: OS2 9/125µm
Front Connector	Multimode: LC Duplex (Aqua) Single Mode: LC Duplex (Blue)
Rear Connector	Multimode: MTP® Adapter with Male Ferrules (pins) and UPC Polish Single Mode: MTP® Adapter with Male Ferrules (pins) and APC Polish
Polarity Type	Type A/AF/Universal
Material	PC
Dimensions (HxWxD)	MTP®-8: 0.46"×2.40"×5.13" (11.6×61×130.3mm) MTP®-12: 0.46"×3.53"×5.70" (11.6×89.6×145mm)

II. Performance Properties

Rear Connector	US Conec MTP®
Insertion Loss	Multimode: Ultra Low IL 0.35dB Max. Single Mode: Ultra Low IL 0.35dB Max.
Return Loss	Multimode: ≥20dB Single Mode: ≥60dB
Connector Durability	US Conec MTP® Connector Meets TIA/EIA-568.C.3A.4.9 Durability: 500 Mating Cycles

Note:

The US Conec MTP® connectors are fully compliant with the MPO standards, achieving higher performance levels when compared to generic MPO connectors.

III. Performance Properties

Front Connector	Shuttered LC Duplex
Fiber Mode	Multimode/Single Mode
Material of Sleeve	Zirconia Ceramic
Insertion Loss	Multimode: LC≤0.2dB Single Mode: LC≤0.2dB
Return Loss	Multimode: LC≥30dB Single Mode: LC≥50dB

IV. Environmental Characteristics

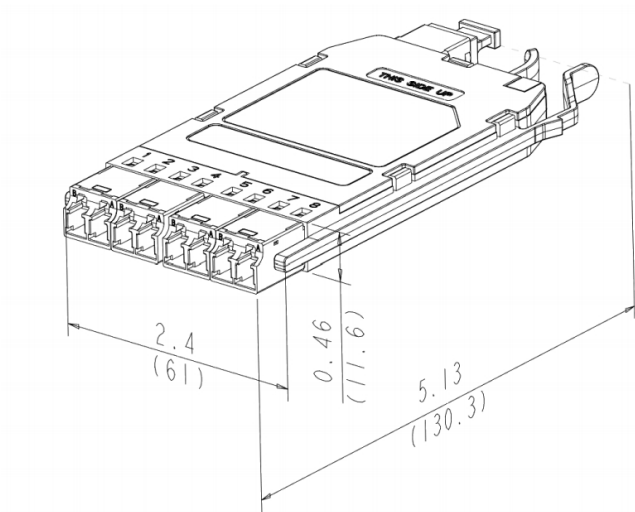
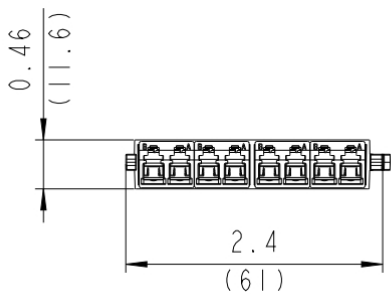
Operating Temperature	-10°C-60°C (14°F-140°F)
Storage Temperature	-10°C-60°C (14°F-140°F)

Standards Compliance

- ISO9001 Certificate
- RoHS Compliant
- ISO14001 Compliant

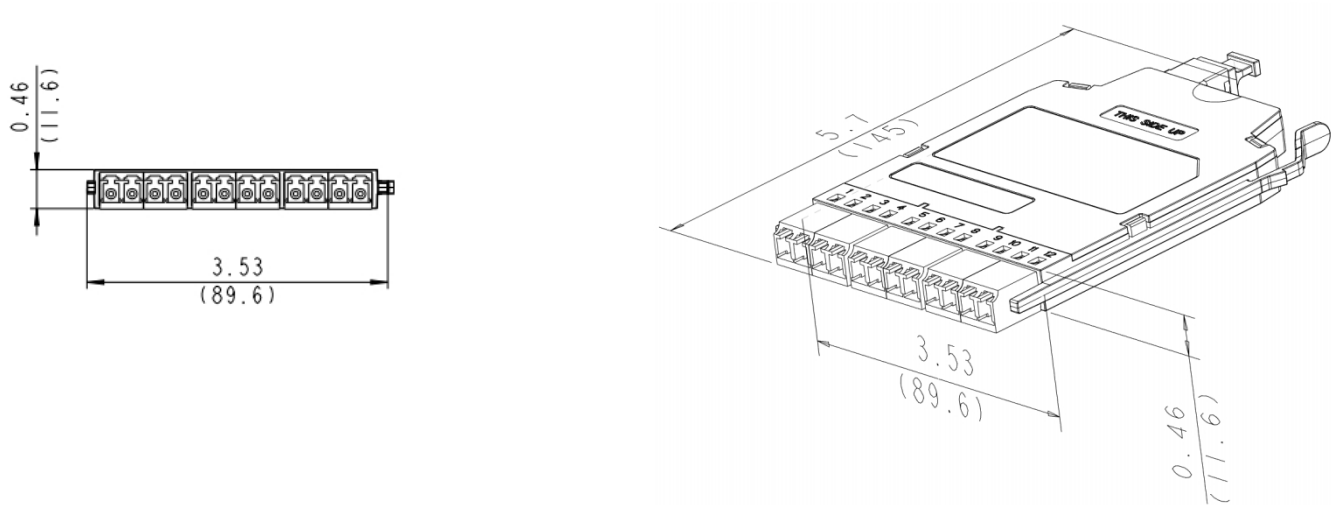
Layout and Dimensions

- 8F MTP®-LC Cassette



Layout and Dimensions

- 12F MTP®-LC Cassette



Dimensions are in inches. (Dimensions in parentheses are in millimeters).

Ordering Information

A	B	C	D	E	F	G	H	I
Fiber Count	Rear Connector	Fiber Mode	Front Connector	Polish Type	Insertion Loss(dB)	Polarity	Front Color	Rear Color
8F	MTP®-8	OS2	LC Duplex	APC	Elite 0.35	Universal	Blue	Black
8F	MTP®-8	OM4	LC Duplex	UPC	Elite 0.35	Universal	Aqua	Black
12F	MTP®-12	OS2	LC Duplex	APC	Elite 0.35	Type A/AF Universal	Blue	Black
12F	MTP®-12	OM4	LC Duplex	UPC	Elite 0.35	Type A/AF Universal	Aqua	Black

Note:

Universal: MTP®-8 cassettes and some MTP®-12 Cassettes.

MTP Connector (Single Mode): APC polish as default.

MTP Connector (Multimode): UPC polish as default.

Hot Products

ID	Description
#238161	MTP®-8 to 4x LC Duplex, 8 Fibers OS2 Single Mode FHX MTP® Cassette, Universal
#238163	MTP®-8 to 4x LC Duplex, 8 Fibers OM4 Multimode FHX MTP® Cassette, Universal
#238165	MTP®-12 to 6x LC Duplex, 12 Fibers OS2 Single Mode FHX MTP® Cassette, Type A
#238167	MTP®-12 to 6x LC Duplex, 12 Fibers OS2 Single Mode FHX MTP® Cassette, Type AF
#238169	MTP®-12 to 6x LC Duplex, 12 Fibers OS2 Single Mode FHX MTP® Cassette, Universal
#238171	MTP®-12 to 6x LC Duplex, 12 Fibers OM4 Multimode FHX MTP® Cassette, Type A
#238173	MTP®-12 to 6x LC Duplex, 12 Fibers OM4 Multimode FHX MTP® Cassette, Type AF
#238175	MTP®-12 to 6x LC Duplex, 12 Fibers OM4 Multimode FHX MTP® Cassette, Universal