

U-Series MPO Cassette BASE-8 24f



Description

The U-Series MPO Cassette BASE-8 24f provides an interface between 3x40G QSFP+ transceivers with MPO interface and 12x10G SFP+ 10G transceivers with LC duplex interface. This cassette provides a compact alternative to support migrating speeds in your network for equipment-to-equipment connections provided by QSFP+ to SFP+ fanout assemblies.

Features and Benefits

- 24f cassette (24xLC front and 3xMPO rear interfaces)
- Compatible with 2RU, 1RU, and 0RU U-Series housings
- Factory-terminated and tested
- SM and MM (OM4) fiber versions
- Custom transition cassette polarity providing an interface between 3x40G QSFP+ and 12x10G SFP+ devices
- Premium LC and MPO connectors

Applications

- Data center
- Storage Area Networks (SAN)
- Parallel optics
- 40GBASE-SR4 to 4x10GBASE-SR links

Specifications

Element	Characteristic
Fiber types	SM 9/125 G.657A1, MM 50/125 OM4
Fiber count	24f
Polarity mapping	Non Standard- 3xQSFP+ to 24xSFP+
Adapters	Rear: 3 x MPO/MTP; Body Color: Black - Opposite Keyway KeyUp-KeyDown; Front: 6 x LC (quad) with internal shutter; Body Color: Aqua, Eria Violet (OM3/OM4), Blue (SM/UPC), Green (SM/APC)
Internal assembly connectors	MPO MM: Low Loss Premium Male (12-fiber ferrule); MPO SM: Low Loss Premium Male (12-fiber ferrule); LC MM/SM Low Loss Premium
Cassette material	ABS CR4 Steel
Cassette color	Black
Storage temperature	-20 ~ +60°C
Operating temperature	-20 ~ +60°C
Cassette dimensions	30mm (W) x 160mm (D) x 84.50mm (H)
Package dimensions	45mm (W) x 280mm (D) x 140mm (H)
Cassette weight	2.10kg
Cassette weight (packaged)	2.75kg
Materials compliant to	RoHS, Reach / SVHC

Termination Performance

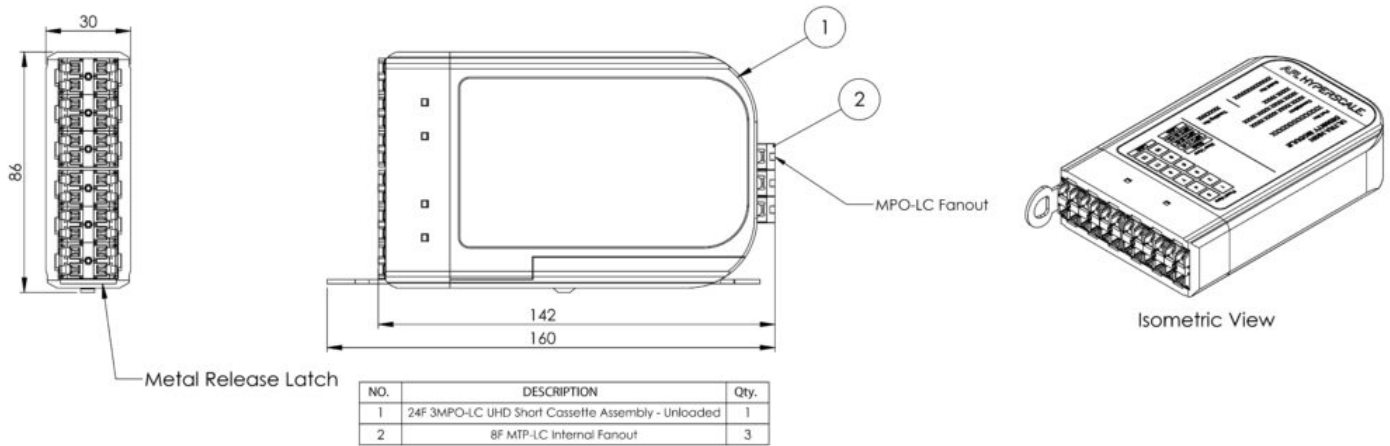
Connector Mating	Insertion Loss Average	Insertion Loss Max	Return Loss
MPO Low Loss Premium (MM)	0.10dB	0.35dB	N/A
LC Low Loss Premium (MM)	0.08dB**	0.15dB**	N/A
MPO Low Loss Premium (SM)	0.10dB	0.35dB	>60dB
LC Low Loss Premium (SM)	0.12dB**	0.15dB**	>55/65dB*

*UPC/APC ** Tested as per IEC 61300-3-4

Fiber Specification

Fiber Type (ISO/IEC 11801)	OS1/OS2	OM4
Attenuation Coefficient [dB/km]	≤ 0.38 Max (1300nm) ≤ 0.25 Max (1300nm) ≤ 0.34 Typ (1550nm) ≤ 0.19 typ (1550nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 2.7 Typ (850nm) ≤ 0.9 typ (1300nm)
Minimum Bandwidth: Overfilled Launch [Mhz-km]	N/A	≥ 3500 (850nm) ≥ 500 (1300nm)
Minimum Bandwidth: Laser Effective Modal Bandwidth [Mhz-km]	N/A	≥ 4700 (850nm)

Technical Drawing



Ordering Information

Code	Fiber Type	Code
A	4 OM4	UD24BPVA-05DM
	7 G.657A1	

Legacy ordering information

Part Number	Description
UHD3MPM24LCMM	UHD QSFP+/SFP+ TRANS MOD 24Fibers 3xMPO(M) PREMIUM-24 x LC Prem OM4 50/125
UHD3MPM24LCSM	UHD QSFP+/SFP+ TRANS MOD 24Fibers 3xMPO(M) PREMIUM-24 x LC Prem SM G.657A1 9/125
UHD3MPM24LCMM-US	UHD QSFP+/SFP+ TRANS MOD 24Fibers 3xMTP(M) ELITE-24 x LC Prem OM4 50/125
UHD3MPM24LCSM-US	UHD QSFP+/SFP+ TRANS MOD 24Fibers 3xMTP(M) ELITE-24 x LC Prem SM G.657A1 9/125

Additional Information

- TIA/EIA-568-C.3 and IEC 11801
- IEC-61754-7 & EIA/TIA-604-5
- IEC-60793

Regional Availability

<p>USA</p> <p>+1-866-814-8615 usasales@aflhyperscale.com</p>	<p>EMEA</p> <p>+44 1908 441 144 emeasales@aflhyperscale.com</p>	<p>INDIA</p> <p>+91 80 46874687 indiasales@aflhyperscale.com</p>	<p>APAC (excluding India)</p> <p>+86 755 2561 3694 apacsales@aflhyperscale.com</p>
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Related Products

