

U-Series MPO Cassette BASE-8 16f



Description

The U-Series MPO Cassette BASE-8 16f provides an interface between 2x40G QSFP+ transceivers with MPO interface and 8x10G SFP+ 10G transceivers with LC duplex interface. This cassette provides a perfect alternative to fixed equipment-to-equipment connections provided by QSFP+ to SFP+ fanout assemblies. All optical ports are positioned in front of U-Series cassettes, providing convenient front access.

Features and Benefits

- 16f cassette (16xLC and 2xMPO interfaces)
- SM and MM (OM3/OM4) fiber versions
- Custom transition cassette polarity providing an interface between 2x40G QSFP+ and 8x10G SFP+ devices
- Premium LC and MPO connectors
- Front MPO and LC ports
- Compatible with 2RU, 1RU, and 0RU U-Series housings
- Factory-terminated and tested

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 | 16f |
| Polarity mapping | Non Standard- 2xQSFP+ to 8xSFP+ |
| Adapters | Front: 2 x MPO; Body Color: Black - Opposite Keyway KeyUp-KeyDown; Front: 6 x LC (quad) with internal shutter; Body Color: Aqua (OM3/OM4), Erika Violet (OM3/OM4), Blue (SM/UPC), Green (SM/APC) |
| Internal assembly connectors | MPO MM: Low Loss Elite Male (12-fiber ferrule); MPO SM: Low Loss Elite 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 155mm (D) x 83mm (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 |

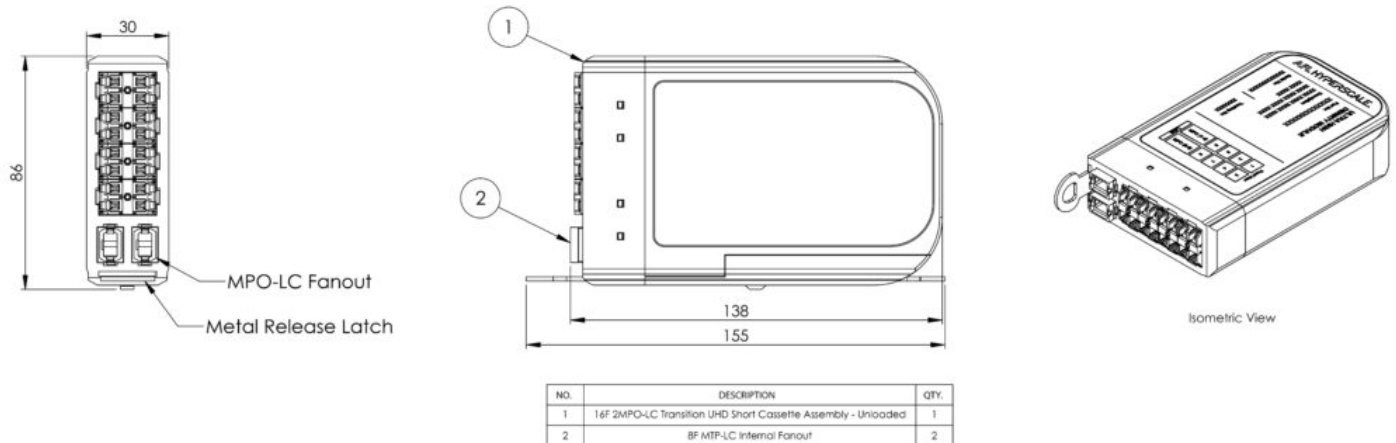
Termination Performance

| Connector Mating | Insertion Loss Average | Insertion Loss Max | Return Loss |
|--------------------------|------------------------|--------------------|-------------|
| MPO Low Loss Elite (MM) | 0.10dB | 0.35dB | N/A |
| LC Low Loss Premium (MM) | 0.08dB** | 0.15dB** | N/A |
| MPO Low Loss Elite (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 | OM3 | 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) | ≤ 3.5 Max (850nm) ≤ 1.5 Max(1300nm) ≤ 2.7 Typ (850nm) ≤ 0.9 typ (1300nm) |
| Minimum Bandwidth: Overfilled Launch [Mhz-km] | N/A | ≥ 1500 (850nm) ≥ 500 (1300nm) | ≥ 3500 (850nm) ≥ 500 (1300nm) |
| Minimum Bandwidth: Laser Effective Modal Bandwidth [Mhz-km] | N/A | ≥ 2000 (850nm) | ≥ 4700 (850nm) |

Technical Drawing



Ordering Information

| Part Number | Description |
|-----------------|--|
| A7UD16BPVA-05DL | U-Series MPO Cassette (Short) Black Premium MPO M - LC SM G.657A1 16F (2Base-8 - 16LC) |
| A4UD16BPVA-05DL | U-Series MPO Cassette (Short) Black Premium MPO M - LC MM OM4 16F (2Base-8 - 16LC) |

| Code | Fiber Type | Code |
|------|------------|---------------|
| A | 4 OM4 | UD16BPVA-05DL |
| | 7 G.657A1 | |

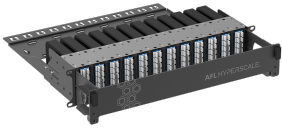
Additional Information

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

Regional Availability

| USA | EMEA | INDIA | APAC (excluding India) |
|--|--|--|---|
| +1-866-814-8615 usasales@afllhyperscale.com | +44 1908 441 144 emeasales@afllhyperscale.com | +91 80 46874687 indiasales@afllhyperscale.com | +86 755 2561 3694 apacsales@afllhyperscale.com |

Related Products



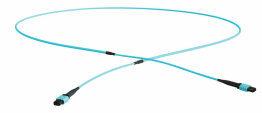
U-Series 2RU Housing



U-Series 1RU Housing



MPO MicroCable Patch Assembly (Single Jacket 3mm OD)



MPO MicroCable Trunk Assembly



Premium LC Duplex Polarity Reversible Uniboot Patch Cord



One-Click® Cleaner MPO



One-Click® Cleaner D-LC, Duplex LC



FOCIS Flex Fiber Scope



FOCIS Duel™ Fiber Scope