DATA SHEET

M8 Cassettes

OVERVIEW

Designed for use with the Infinium™ HD Enclosures, these MPO-to-LC quad 8-fiber cassettes are available with single-mode (OS2) or multimode (OM3) fiber configurations. These M8 pre-terminated fiber optic cassettes provide for rapid deployment within enclosures with our new front-latching mechanism. The housing offers additional durability and integrated bend-limiting considerations to assure optimum optical performance. The base 8 configuration of this cassette matches the fiber utilization of most transceivers, providing for 100% fiber utilization. This makes these cassettes a perfect match for Ethernet transmission ranging from 40G to 400G.

FEATURES

- **Base 8 Configuration:** Provides 100% fiber utilization for higher bandwidth applications

- **Performance Tiers:** Different performance tiers available based on overall system performance needed

- **Multimode or Single-mode:** Cassettes available in multimode (OM3) or single-mode (OS2)

ITEM DESCRIPTION

M8LCQ08-09E1G1	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 1, Method A
M8LCQ08-09E1G2	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 1, Universal Polarity
M8LCQ08-09E2G1	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 2, Method A
M8LCQ08-09E2G2	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 2, Universal Polarity
M8LCQ08-50EE3G1	Infinium High Density (HD) M8 Cassette, OM3, 8 Fiber, LC Quad, 1 MPO (F), Tier 3, Method A
M8LCQ08-50EE3G2	Infinium High Density (HD) M8 Cassette, OM3, 8 Fiber, LC Quad, 1 MPO (F), Tier 3, Universal Polarity
M8LAQ08-09E1G1	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 1, Method A
M8LAQ08-09E1G2	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 1, Universal Polarity
M8LAQ08-09E2G1	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 2, Method A
M8LAQ08-09E2G2	Infinium High Density (HD) M8 Cassette, OS2, 8 Fiber, LC Quad, 1 MPO (F), Tier 2, Universal Polarity

AGENCIES/THIRD PARTY CERTIFICATIONS

- **RoHS:** Yes

DATA SHEET

SPECIFICATIONS:

M8 Cassettes

GENERAL INFO:

- **Number Of Ports:** 8

- **Typical Applications:**

Multimode
M8LCQ08-50EE3G1
M8LCQ08-50EE3G2

Single-mode
M8LCQ08-09E1G2
M8LCQ08-09E2G1
M8LCQ08-09E2G2
M8LCQ08-09E1G1
M8LAQ08-09E2G2
M8LAQ08-09E2G1
M8LAQ08-09E1G2
M8LAQ08-09E1G1

- **Connection Types:** MPO and LC Quad

- **Installation Destination:** Infinium HD Enclosures

- **Product Series:** Infinium

- **Type:** Fiber Cassettes

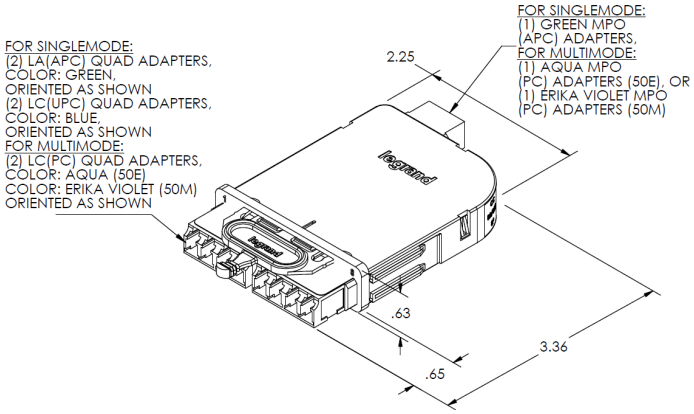

FIGURE 1
FOR POLARITY IDENTIFIER: "G1" & "G2"
(NOTE LC/QUAD ADAPTER ORIENTATION)

DIMENSIONS:

- **Depth:** 3.36 in

- **Height:** 0.63 in

- **Width:** 2.25 in

TECHNICAL INFORMATION:

- **Connection Method:** Method A or Universal Polarity

- **Fiber Capacity:** 8

- **Max. Insertion Loss:**

M8LCQ08-09E1G2	1.05 dB
M8LCQ08-09E2G1	0.60 dB
M8LCQ08-50EE3G1	0.50 dB
M8LCQ08-50EE3G2	0.50 dB
M8LCQ08-09E2G2	0.60 dB
M8LCQ08-09E1G1	1.05 dB
M8LAQ08-09E2G2	0.60 dB
M8LAQ08-09E2G1	0.60 dB
M8LAQ08-09E1G2	1.15 dB
M8LAQ08-09E1G1	1.15 dB

- **Min Return Loss:**

M8LCQ08-09E1G2	-52 dB
M8LCQ08-09E2G1	-52 dB
M8LCQ08-50EE3G1	-19 dB
M8LCQ08-50EE3G2	-19 dB
M8LCQ08-09E2G2	-52 dB
M8LCQ08-09E1G1	-52 dB
M8LAQ08-09E2G2	-54 dB
M8LAQ08-09E2G1	-54 dB
M8LAQ08-09E1G2	-54.6 dB
M8LAQ08-09E1G1	-54.6 dB

- **Capacity:** High Density

- **Equipment Type:** Pre-Terminated Cassettes

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