QuickNet™ 40 to 10GbE Fiber Optic Cassettes

technical information

To meet the needs for 10 to 40GbE applications, Panduit offers QSFP+ to Four SFP+ Fiber Optic Cassette Assemblies. As part of the Panduit High Speed Data Transport (HSDT) solution, these cassettes provide a streamlined and flexible patching solution for interconnecting or cross-connecting high speed 40GbE switches and servers with parallel signals to 10GbE equipment with duplex signals. The cassettes feature two rear MTP* port connections for 40GBASE-SR4 transceivers and 8 Duplex LC ports in front for connecting to 10GBASE-SR transceivers. End-to-end (HSDT) solutions from Panduit deliver enhanced availability, agility, and security.

Visit www.panduit.com/hsdt to learn more about how these solutions help customers manage risk across their physical infrastructure.

application

Application areas include key elements as specified in Data Center Cabling Standard TIA 942 cross connects in main, horizontal, and equipment distribution areas.

construction

Fiber count:	16	
Fiber types:	Multimode:	OM3 50/125µm
		OM4 50/125µm
Front connectivity:	LC Duplex, Multimode with PC Polish	
Split sleeve material (SC or LC adapters):	Zirconia ceramic:	All OM4, OM3 cassettes
Rear MTP* connectivity:	Multimode:	MTP* adapter(s) with male ferrules (pins) and PC Polish

environmental properties

Operating temperature:	Room Temperature (23°C) (73°F)
Storage and shipping temperature:	-40°C to +75°C (-40°F to 167°F)

performance properties

Insertion loss (Link loss):	Optimized Loss (per channel): 0.5dB max. Standard Loss (per channel): 0.75dB max.
Return loss:	Per channel: >26dB (OM3/OM4)
Connector durability:	MTP* and LC ports meet TIA/EIA-568.C.3; A.4.9 Durability: 500 mating cycles (multimode and singlemode)

standards

Connectivity meets or exceeds TIA/EIA-568-C.3 performance requirements. Supports IEEE 802.3ba (40/100 Gigabit Ethernet).

*MTP is a registered trademark of US Conec Ltd.

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part number configurator

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
EXAMPLE	F	C	3	Z	O	–	1	6	–	1	0	N	M	B	N

1 – Fiber Product
F = Fiber

2 – Product
C = Cassette

3 – Generation
3 = 40 to 10GbE

4 – Fiber Type
X = OM3 10Gig 50/125µm
Z = OM4 10Gig 50/125µm

5 – Fiber Performance
N = Standard
O = Optimized

6 – Dash

7 – Numbers of Fibers
16 = 16-fiber total

9 – Dash

**10 and 11 – Adapter Type**
10 = Duplex LC Adapter

**12 and 13 – MPO Gender**
NM = Male MTP* (pins) rear

14 and 15 – Polarity
BN = Method B Connectivity

QuickNet™ MTP* Fiber Optic Cassettes

3.5 [89]
4.2 [107]
3.5 [89]

3.9 [99]
1.4 [35]
4.3 [109]

Duplex LC Ports
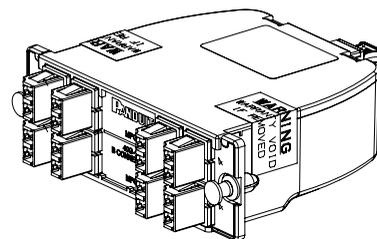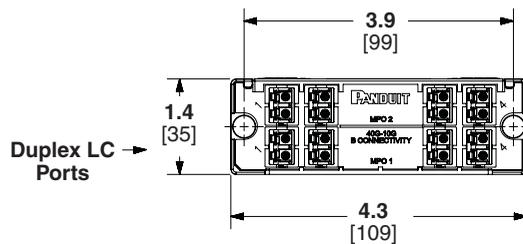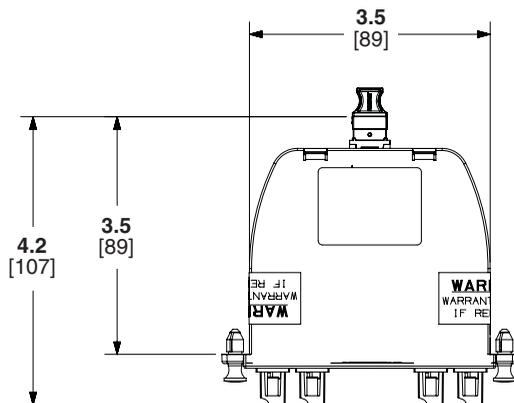
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Dimensions are in inches [Dimensions in brackets are metric]

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
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