



A tailored solution at the request of a customer to help solve a problem. Our hybrid modules have grown into a daily requested product for all sorts of applications. Using state of the art components and polishing processes, hybrid MTP cables and modules are manufactured maintaining low loss optical performance. Mix and match between single and multimode fibers in the same cable and connector ports. Cables, connectors and adapters can be colored however the customer prefers.

DMSI MTP® Modules, Hybrid, MTP/APC pinned to Internally Shuttered Duplex LC UPC, 12F Hybrid (8F OM3 & 4F OS2), Positions 1-4/9-12 OM3 Aqua, Positions 5-8 OS2 Blue, Type A Polarity, Black MTP on back. DAFCX-H12-8G4Y-3S46

Hybrid MTP® Modules, ORDERING INFORMATION

LGX Compatible, Low Loss, MTP®/APC pinned to Internally Shuttered LC

DAFCX-H12-6G6Y-3S46	12F, Type A, 6F OM3 & 6F OS2
DAFCX-H12-8G4Y-3S46	12F, Type A, 8F OM3 & 4F OS2
DAFCX-H24-HGHY-3S46	24F, Type A, 12F OM3 & 12F OS2 per MTP®
DAFCX-H24-8G4Y-3S46	24F, Type A, 8F OM3 & 4F OS2 per MTP®

Classic, Low Loss, MTP®/APC pinned to Internally Shuttered LC

DAFCC-H12-6G6Y-3S46	12F, Type A, 6F OM3 & 6F OS2
DAFCC-H12-8G4Y-3S46	12F, Type A, 8F OM3 & 4F OS2
DAFCC-H24-HGHY-3S46	24F, Type A, 12F OM3 & 12F OS2 per MTP®
DAFCC-H24-8G4Y-3S4	24F, Type A, 8F OM3 & 4F OS2 per MTP®

LC adapters are colors per fiber type for identification. Blue for OS2 UPC and Green for APC; Beige for OM1, Black for OM2, Aqua for OM3 and OM4, Lime Green for OM5

Optical testing is performed through the entire module, to a maximum of 0.55dB insertion loss, including both LC and MTP® connectors.

Hybrid MTP® Modules, ORDERING INFORMATION

H(A)(B)(CC)-(D)(E)(F)(G)-3S46

(A) Select Polarity

A, B, C

(B) Select Hardware Family

X LGX compatible
C Classic
P PRM

(CC) Select Total Module Fiber Count

12 or 24

(D) Select First MTP Fiber Count (One Digit)

2, 4, 6, 8, X (used for 10)

(E) Select Fiber Type

Y OS2 10mm bend
F OM1
E OM2
G OM3
M OM4
W OM5 (WBMMF)

(F) Select Second MTP Fiber Count (One Digit)

2, 4, 6, 8, X (used for 10)

(G) Select Fiber Type

Y OS2 10mm bend
F OM1
E OM2
G OM3
M OM4
W OM5 (WBMMF)

3S - Standard for Internally Shuttered LC

LC ports are colored per fiber type selection for identification
OS2 UPC is blue
APC is green
OM1 is beige
OM2 is black
OM3 & OM4 are aqua
OM5 is lime green

46 - Standard for MTP pinned

2, 4, 6, 8, X (used for 10)

Connector Performance Specifications

	Typical IL Performance (dB)	Max IL Performance (dB)	Typical Reflectance (dB)
Single-mode LC	0.13	0.20	-57
Single-mode ST	0.14	0.20	-56
Single-mode FC	0.16	0.20	-57
Single-mode SC	0.16	0.20	-57
Single-mode MTRJ Pinned	0.25	0.50	-51
Single-mode MTRJ Non-Pinned	0.17	0.50	-51
Multimode LC	0.17	0.20	
Multimode ST	0.10	0.20	
Multimode FC	0.10	0.20	
Multimode SC	0.12	0.20	
Multimode MTRJ Pinned	0.20	0.50	
Multimode MTRJ Non-pinned	0.20	0.50	
Multimode MTP® Low Loss (standard)	0.10 (single fiber)	0.35	
Single-mode MTP® Standard Loss	0.25 (single fiber)	0.75	> 60
Single-mode MTP® Low Loss	.10 (single fiber)	0.35	> 60

COMPLIANCES

- LC Connectors, TIA/EIA-604-10
- SC Connectors, TIA/EIA-604-3
- MTRJ Connectors, TIA/EIA-604-12
- MPO (including MTP®), TIA/EIA-604-5

MPO COMPLIANCES AND STANDARDS

- Meets IEC Standard 61754-7
- Structured cabling per TIA-568-C
- Parallel Optics
- Optical Internetworking Forum (OIF) Compliant
- Infiniband Compliant
- 10G Fiber Channel Compliant
- 40G and 100G IEEE 802.3
- SNAP 12
- POP 4
- QSFP
- CXP