



# PRODUCT INFORMATION

## IllumiCore®+ MTP® Modules

### Ultra Low Loss

DMSI offers IllumiCore®+ Ultra Low Loss Modules that use the same low loss MTP® components as the standard IllumiCore® modules but use specially selected LC connector components that exceed IEC Grade B random mating and meet project performance of IEC Grade A.

By using IllumiCore®+ modules, typical LC connector insertion loss of .07dB can be achieved with a maximum value of .15dB. These modules are standard with internal shuttered adapters and are manufactured using a visually identifiable polished black nickel finish.

### Connector Performance Specifications

CONNECTOR TYPE	TYPICAL IL PERFORMANCE	MAX IL PERFORMANCE	RETURN LOSS
Single-mode LC	0.10 dB	0.20 dB	≥-55 dB
Single-mode MTP®	0.25 dB	0.75 dB	≥-60 dB
Single-mode MTP® (Low Loss)	0.10 dB	0.15 dB	≥-20 dB
Multimode MTP®	0.20 dB	0.55 dB	≥-20 dB
Multimode MTP® (Low Loss)	0.10 dB	0.15 dB	≥-20 dB

### Connector Compliances

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

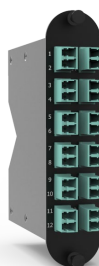
### MPO COMPLIANCES

- 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

### COMPONENTS RATED UL94 V-0

### Product Specifications

Product Type	MDC-MTP® Low Loss Performance Module
Fiber Category	Single-mode OS2 / 50µm Multimode OM3 / OM4 / OM5
Fiber Count	12F / 24F / 36F / 72F
Adapter Type	MDC3
Polarity Type	Type A / Type B / Type C
Connectivity Type	UHM (Universal Housing Module) / Classic / LGX Compatible / PRM
Optical Performance	.55dB Module Total Loss
Colors Available	OS2 UPC: Blue / OS2 APC: Green / OM1: Beige / OM3/4: Aqua / OM5: Lime Green



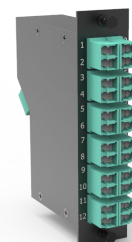
Classic



LGX Compatible



PRM



SDX Compatible

To order or for more info, please contact our sales team:

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**IllumiCore<sup>®</sup>+ MTP<sup>®</sup> Modules**  
 Ultra Low Loss

Part Number Configurator



<b>A</b>	Select Polarity
A	Type A
B	Type B
C	Type C
<b>B</b>	Select Connectivity
C	Classic
X	LGX Compatible
P	PRM
<b>24</b>	24 Fiber

<b>C</b>	Select Fiber Type
Y	Single-mode OS2
F	OM1
E	OM2
G	OM3
M	OM4
W	OM5 (WBMMF)
<b>3S</b>	Internally Shuttered Duplex LC
<b>46</b>	Standard for Low Loss MTP <sup>®</sup> Pinned

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