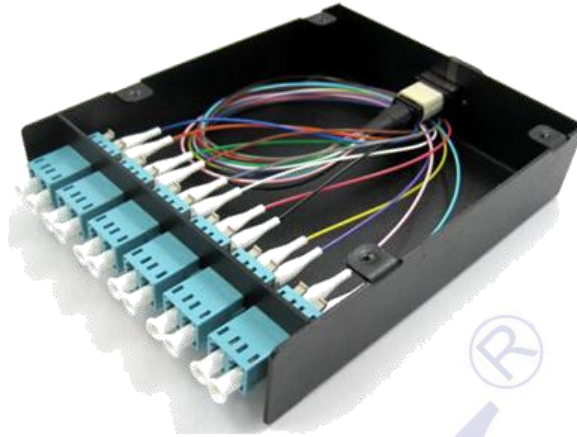


LGX MPO/MTP Cassette Modules

1、 Cable Drawing



2、 Description

(LGX-CM) MPO/MTP Cassette Modules, provide secure transition between MPO and LC or SC discrete connectors. They are used to interconnect MPO backbones with LC or SC patching. This modular system allows for rapid deployment of high density data centre infrastructure as well as improved troubleshooting and reconfiguration during moves, adds and changes. Cassettes can be mounted in 1U, 2U or 3U 19" multislotted chassis. MPO Cassettes contain factory controlled and tested MPO to LC or SC fanouts to deliver optical performance and reliability. Low loss Premium MPO and LC or SC Premium versions are offered featuring low insertion loss for demanding power budget high speed networks.

3、 Features

- The 12 core MPO/MTP connector branch to the LC duplex connector or SC connector
- Low loss connection, provides system design flexibility
- Front panel assembly LC or SC adapter, rear panel assembly MPO/MTP adapter
- Polarity A (standard), B or C
- Factory terminated and tested
- High performance zirconia sleeve adapters
- All ports are labeled, easy to identify
- Convenient installation, flexible configuration, easy to manage
- MPO IEC 61754 standards compliant multifibre connector

4、Application

- Data Center LAN/SAN
- LGX-ME Use
- Emerging 40 & 100Gps Protocols
- Telecommunication network
- CATV, Video and Multimedia
- High-Density Fiber Management

5、Specification

Item	Parameter		
Connector Type	A : MPO / MTP B : LC/SC		
Fiber Type	SM (9/125um)	MM (50/125um、62.5/125um)	
Polish	UPC	APC	UPC
Insertion Loss	MPO / MTP : Low Loss≤0.35dB, Standard Loss≤0.60dB LC/SC : Low Loss≤0.15dB, Standard Loss≤0.30dB		
Return Loss	≥50dB	≥60dB	≥20dB
3D(MPO/MTP)	Fiber Height : 1000~3500nm Radius Long: 500mm min Radius Short: 50mm min Max Fiber Differential < 400nm Max Fiber Adj Diff < 200nm Ferrule Height: 7.95mm min MM Core Dip: <100nm		
3D(LC/SC)	Radius of Curvature :10-25mm(PC/UPC) , 5-12mm(APC) Apex offset : 0-50um High fiber : ±100 nm Angle: 8±0.2°(APC)		
Repeatability	1000 times typical change value ≤ 0.20dB		
Interchangeability	≤0.20dB		
Test Wavelength	SM: 1310nm / MM: 850nm		
Polarity (optional)	A, B and C		
MPO / MTP Connector	Male / female		
Jacket Material(optional)	LSZH、OFNP、OFNR、PVC		

Jacket color	Aqua (OM3, OM4), Erica Violet (OM4), Yellow (OS1/OS2, G.657A1), Orange (OM1, OM2)
Cable Diamete(Branch)	0.9 mm
Fiber countl(optional)	8, 12, 16, 24 Core
Fiber Moder(optional)	OS1, OS2, OM1, OM2, OM3, OM4
Operating Temperature	-20 ~ +70 °CS
Storage Temperature	-40 ~ +85 °C

