



## 1、Description

Designed for network diagnostics, testing system configurations, and device burn-in, the MPO/MTP/LC/SC loopback adaptor can form an optical link for segment by segment testing by creating a loop of signal from transmitter to receiver within one MTP/MPO plug. It is packaged in a rugged, compact housing, providing an effective way of testing the transmission capability and receiver sensitivity of network equipment, particularly for telecom and datacom requirements.

## 2、Features

- MTP/MPO connector, polarity available
- Insertion loss type available in Standard, Elite / Low Loss
- MTP/MPO connector type available in Male, Female
- Customized loop length and polarity.ss
- Improve and simplify fiber routing, decrease fiber management space

## 3、Specification

Fiber Type	SM (9/125um)		MM (50/125um、62.5/125um)
Polish	UPC	APC	UPC
Insertion Loss	MPO / MTP : Low Loss≤1.2dB, Standard Loss≤0.70dB LC/SC : Standard Loss≤0.60dB		
Return Loss	≥50dB	≥60dB	≥20dB
3D(MPO/MTP)	Fiber Height : 1000~3500nm Radius Long: 500mm min		

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	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/FC/ST)	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
MPO / MTP Connector	Male / female
Fiber Moder(optional)	G652D, G657A, G657B, OM1, OM2, OM3, OM4
Fiber count(optional)	2 ~ 24 Core
Operating Temperature	-20 ~ +70 °C
Storage Temperature	-40 ~ +85 °C

#### 4. Application

- For equipment self-testing and engineering
- Network diagnosing and testing
- Storage Area Network