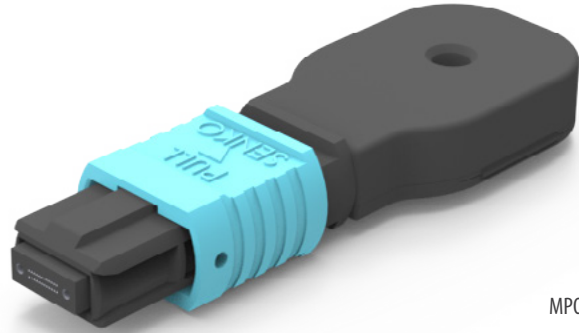


## **MPO** **LOOPBACK** **LPB-MPO Series**



MPO Loopback

The SENKO MPO Loopback is essential for diagnosing fiber optic networks, enabling signal testing to check transmission quality and receiver sensitivity. It's compact, high-density design suits tight spaces and is easy to install.

Ideal for system test engineers, it supports efficient loopback evaluations on equipment, crucial for maintaining stable, high-performance networks. SENKO's MPO Loopback creates a return path for multiple fiber optic signals, used in burn-in testing and troubleshooting for MT ferrule-based devices. It offers standard, QSFP, and custom configurations with SM APC or MM Flat polish, Push-Pull MPO design, and attenuation levels from 1-20 dB.

### FEATURES

- SM APC or MM flat polish
- 8/12/24 fiber center key

### APPLICATIONS

- Burn-In testing
- Network troubleshooting
- Transmission /receiver testing

### KEY BENEFITS

- ✓ **0 dB to 20 dB attenuation**
- ✓ **Robust design**
- ✓ **Custom configurations**

Mechanical Data

	Value
Durability	500 matings per GR-1435
Fiber Count	8/12/24 fibers

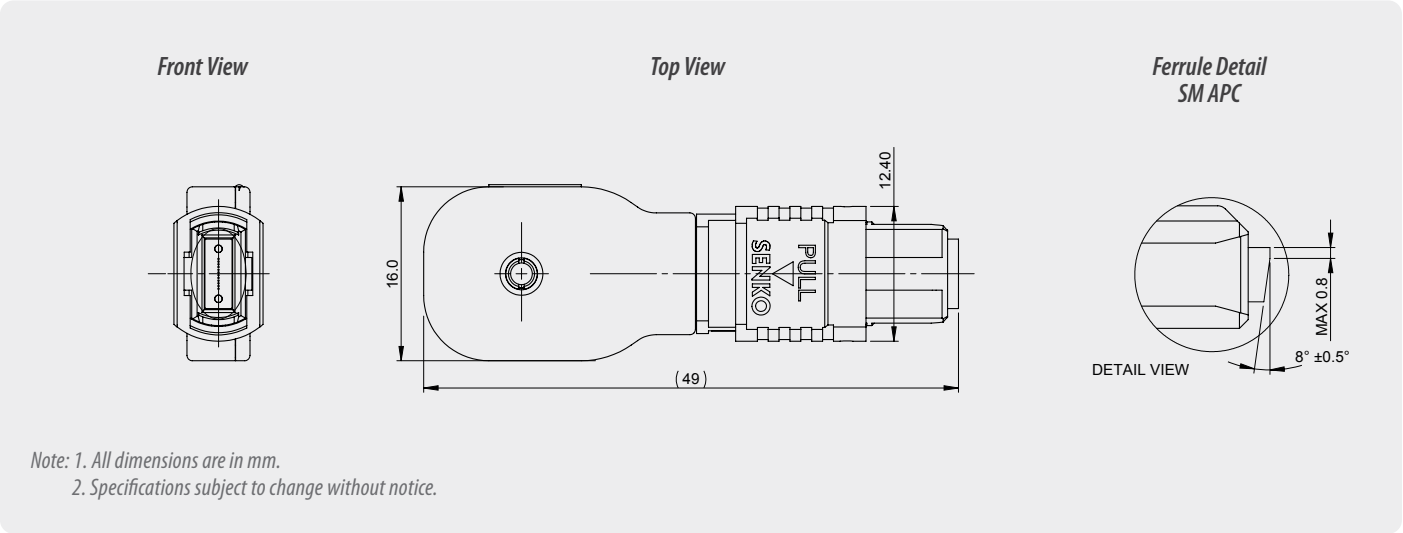
Optical Data

	Singlemode		Multimode	
	APC	APC	MM	MM
	Low Loss	Standard	Low Loss	Standard
Typical Return Loss (dB)	≥60 dB		≥25 dB	
Typical Insertion Loss (dB)	0.35	0.50	0.20	
Max Insertion Loss (dB)	0.75	1.50	0.50	
Attenuation Tolerance:	1-10 dB: +/- 1 dB; 10-20 dB: +/- 10%			
Operational Wavelengths (nm)	1310/1550		850/1300	

Environmental Data

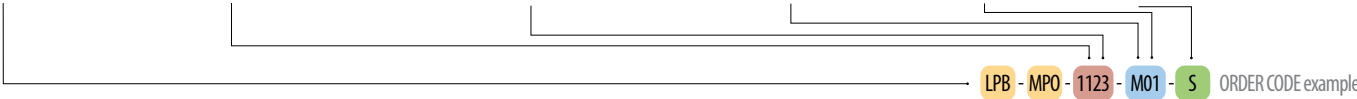
	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	Yes
REACH Compliance	Yes

Connector Drawing LPB-MPO Series



ORDERING

CODE	HOUSING COLOR/FIBER TYPE	MT FERRULE	PIN TYPE	ATTENUATION	CHANNEL TYPE
LPB-MPO	MPO Loopback	11 Green (SM)	(None) Female Pin	(None) 0 dB	S Standard Channel Setting
		32 Beige (MM OM2 50/125)	M Male Pin	01 1 dB	Q QSFP Channel Setting
		41 Yellow (SM LL/SM)		20 20 dB	C Customized Channel Setting
		52 Aqua (MM OM3 50/125)			
		62 Heather Violet (MM OM4 50/125)			
		22 SM 8F Standard			
		32 SM 8F Low Loss			
		23 SM 12F Standard			
		33 SM 12F Low Loss			
		25 SM 24F Standard			
		35 SM 24F Low Loss			
		42 MM 8F, Flat			
		43 MM 12F, Flat			
		45 MM 24F, Flat			
		63 MM 12F, Flat Low Loss			
		65 MM 24F, Flat Low Loss			



MPO Loopback

## Accessories - Cleaning

### Smart Cleaner<sup>TM</sup>

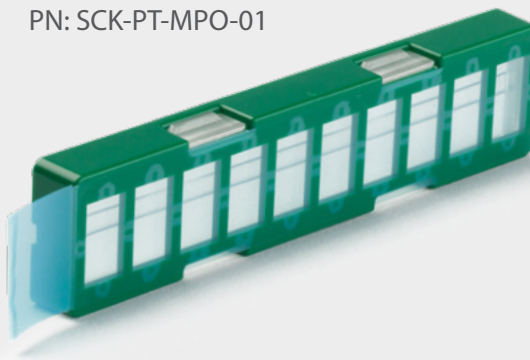
PN: SCK-SS-MPO (12/24F Center Key Connectors)  
PN: SCK-SS-MPO-02 (16/32F Offset Key Connectors)



### MPO<sup>PLUS</sup>

#### OPTRES Gel Cleaner

PN: SCK-PT-MPO-01



## Accessories - Interferometry

### SUMIX Manta W+ Inspection Scope

PN: SMX-Manta-W+



- Inspects 12 fiber in 2.6 seconds, 24 fiber in 4.5 seconds
- 0.5µm defect detection
- Inspection tips for MPO, CS, SN, LC available

### SMX Manta W+ MPO Polarity and Continuity Module

PN: MPO Verifier



- Works for 8, 12, 24, 48 and 16, 32 fiber MPO
- Auto test and analysis

### SUMIX Max QM+ Inspection Scope

PN: MAX-Quantum



- Inspects 12 fiber in 2.6 seconds, 24 fiber in 4.5 seconds
- 0.5µm defect detection

### SMX Manta W+ Benchtop Holder

PN: MNT-W-Stand



# SENKO<sup>®</sup>

Advanced Components

[sales@senko.com](mailto:sales@senko.com)  
1-858-623-3300

[senko.com/contact](https://senko.com/contact)