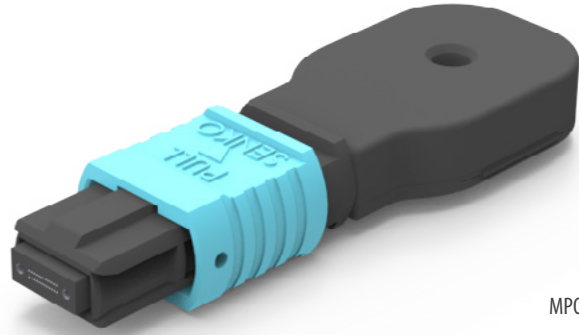


MPO **LOOPBACK** **LPB-MPO Series**



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

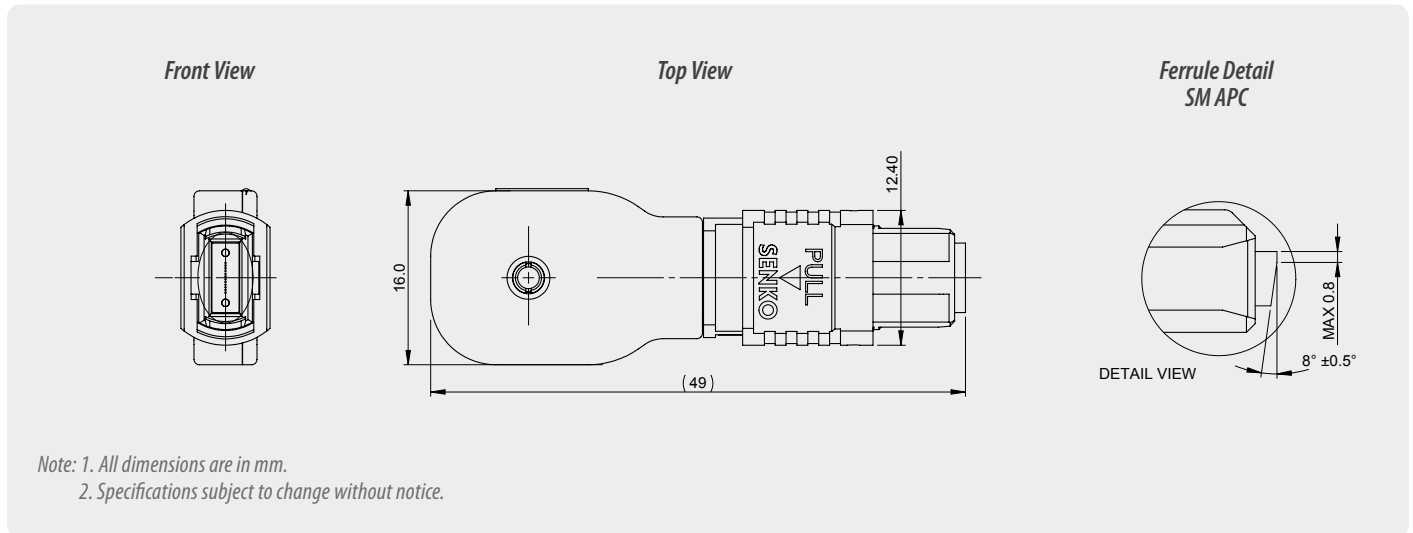
Optical Data

	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	HOUSING COLOR/FIBER TYPE	"FIBER COUNT (WHEN 12F MT BEING USED IN 8F)"		PIN TYPE		ATTENUATION		CHANNEL TYPE
LPB-MPO	MPO	11 Green (SM)	22 SM 8F Standard	(None)	(None)	(None)	Female Pin	(None)	0 dB	S Standard Channel Setting
	Loopback	32 Beige (MM OM2 50/125)	32 SM 8F Low Loss	08	12F MT use 8 Channel	M	Male Pin	01	1 dB	Q QSFP Channel Setting
		41 Yellow (SM LL/SM)	23 SM 12F Standard					~	~	
		52 Aqua (MM OM3 50/125)	33 SM 12F Low Loss					20	20 dB	
		62 Heather Violet (MM OM4 50/125)	25 SM 24F Standard							
			35 SM 24F Low Loss							
			42 MM 8F, Flat							
			43 MM 12F, Flat							
			44 MM 12F, Flat Low Loss							
			45 MM 24F, Flat							

LPB - MPO - 1123 - S ORDER CODE example



Accessories - Cleaning

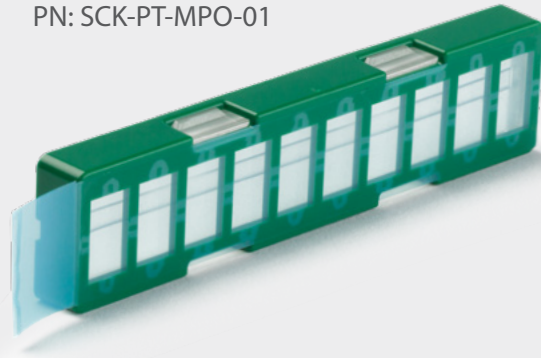
Smart CleanerTM

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



MPO^{PLUS}

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[®]

Advanced Components

sales@senko.com
1-858-623-3300

senko.com/contact