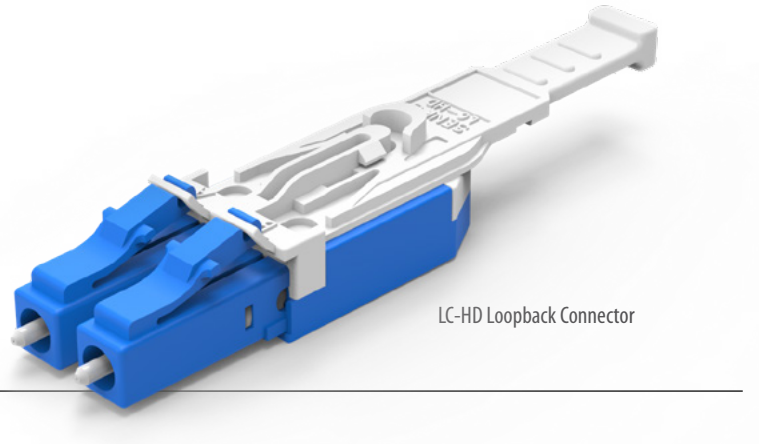
DATA SHEET

SENKO®
Advanced Components

LC-HD *LOOPBACK CONNECTOR*

Series LPB-LCHD



LC-HD Loopback Connector

The SENKO LC-HD Loopback connector is a critical device utilized in diagnosing fiber optic networks, essential for testing and ensuring network performance. Its function is to return the signal within fiber optic systems to check the transmission quality and the sensitivity of network devices' receivers. Notably advantageous for its compact, high-density construction, it is ideal for space-constrained situations and features an integrated Push-Pull Tab that simplifies the installation process.

The Senko LC-HD Loopback connector is indispensable for system test engineers, offering an efficient means to perform loopback evaluations on telecom equipment, which is vital for the upkeep of a stable and high-performance telecommunications framework.

FEATURES

- UPC or APC polish
- High density design
- Attenation 0 to 20 dB
- Push-Pull tab

APPLICATIONS

- Telecommunications
- Data centers
- Local area networks (LANs)
- Enterprise networks
- FTTH
- Labaratory environments

KEY BENEFITS

- **Simplifired testing and troubleshooting**
- **Easy installation and maintenance**
- **Simplified system verification**

Mechanical Data

	Value
Durability	200 matings
Housing Material	Plastic
Alignment Sleeve Material	Zirconia
Fiber Count	Duplex *(2 channel)*

Optical Data

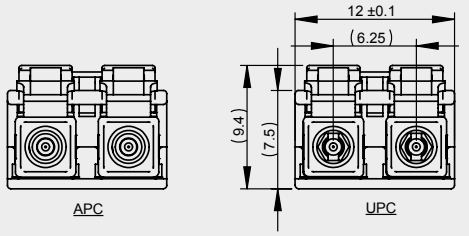
	Singlemode				Multimode	
	UPC		APC		MM	
	Low Loss	Standard	Low Loss	Standard	Low Loss	Standard
Typical Return Loss (dB)	≥55		≥65		≥25	
Attenuation tolerance	OdB: 0/+0.5dB, 1-5dB:+/- 0.5dB, 6-20dB:+/-10%					
Operation al Wavelengths (nm)	1310/1550 +/- 40				850/1300 +/- 40	
Max Power Input (mw)	500					

Environmental Data

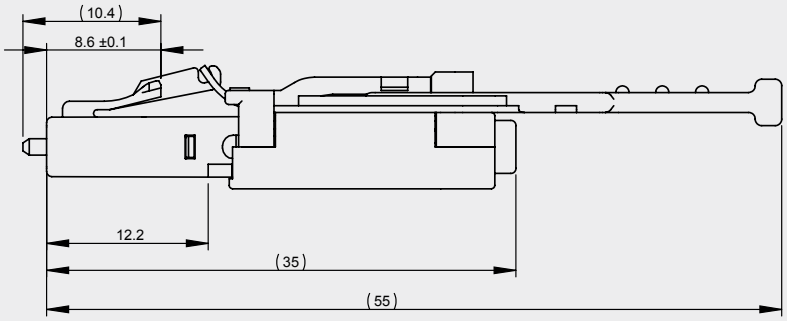
	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	Yes
REACH Compliance	Yes
Humidity Resistance	95%

Connector Drawing

Front View

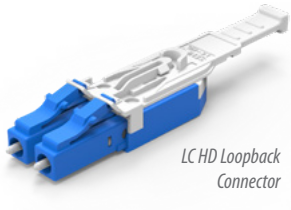


Side View



Note: 1. All dimensions are in mm.
2. UPC shown, other options are available upon request.
3. Specifications subject to change without notice.

ORDERING



LC HD Loopback Connector

TYPE					ATTENUATION*	
LPB-LCHD	LC-HD Loopback	A	APC Green	A	Attenuator	00	0 dB +0.5 dB/-0 dB
		S	SM Blue			05	5 dB +/-0.5 dB
						10	10 dB +/-10%
						20	20 dB +/-10%

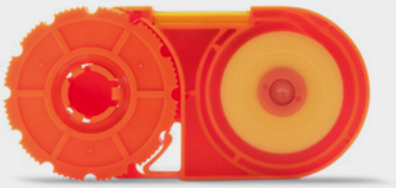
LPB - LCHD - SA05 ORDER CODE example

Note: Other values available upon request

THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE PATENTS. FOR FURTHER INFORMATION, PLEASE VISIT **SENKO.COM/PATENTS**

Accessories - Production/Cleaning

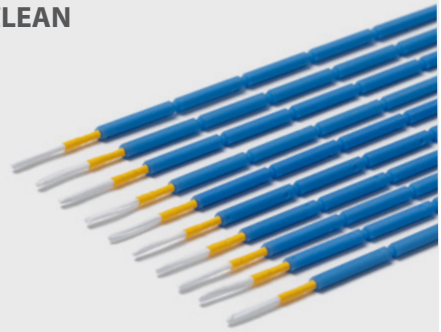
Smart Cleaner™
Cassette
PN: SCK-CC-100



Smart Cleaner™
Mini 1.25 mm Clicker
PN: SCK-SS-M-C125
Refill PN: SCK-SS-CS-R

Smart Cleaner™
1.25 mm Clicker
PN: SCK-SS-CS
Refill PN: SCK-SS-CS-R

1.25 mm NEOCLEAN
Cleaning Stick
PN: CSK-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

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

SENKO®
Advanced Components

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senko.com/contact

DS-LC-0000017-RevA-EN